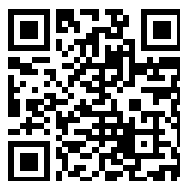


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FROM

Charles H. Taylor

ESTABLISHED 1875

THE H. H. KIFFE COMPANY

Catalogue

& Price List



BEST
GOODS
& LOWEST PRICES

Base Ball
Players
Supplies,
Fishing Tackle
& Sporting
Goods
in General



473 BROADWAY

NEW YORK

COPYRIGHT 1893

S.G. 510.5

H. H. KIFFE,

CHEAPEST

SPORTING GOODS HOUSE

IN AMERICA.

PRICES TO SUIT THE TIMES.

TO OUR PATRONS.

Our mottoes are—Cheap for cash. Small profits and quick sales.

OUR TERMS ARE CASH.

NO DISCOUNT ALLOWED TO ANY ONE.

No goods sent by mail unless the money is received with the order. Do not refer to back orders.

WE DO NOT SELL LESS THAN HALF DOZEN HOOKS OF A KIND.

Hooks snelled or unsnelled cannot be exchanged.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

HOW TO ORDER.

Address your letter carefully.

Send your Name, City, State, and give Street and Number.

Mention the amount of money you send.

Avoid sending silver in letters; it is likely to drop out.

We will accept postage stamps in sums of \$1.00. One and two cent stamps preferred.

We will not take CANADA OR FOREIGN MONEY OR STAMPS in payment for Goods.

POST-OFFICE ORDER.

The advantage of remitting a money order in advance is: You save the express charges for returning us the money, and your postmaster is responsible for your money in case it is lost in transmission. And when we receive your money order we acknowledge the receipt on the face of the same. If your Office is not a Money Order Office, the postmaster will register your letter for 10 cents, which guarantees safe transmission.

GOODS BY MAIL.

Most Goods in our Catalogue can be sent by mail as merchandise, at the rate of one cent per ounce. Customers ordering goods by mail *must enclose stamps for postage* unless goods are advertised post-paid in Catalogue. Packages over four pounds in weight or more than 36 inches long, are unavailable. We are not responsible for goods sent by mail. Merchandise packages can be registered for 10 cents each, additional to regular postage. Canada orders must enclose 10 cents for postage for each 8 ounces or less. Goods weighing over 8 ounces cannot be mailed to Canada.

GOODS BY EXPRESS C. O. D.

We send goods in this manner when the order amounts to \$2.00 or more. But in no case can we ship goods outside of New York State, unless we receive 25 per cent. of the amount ordered in cash with order. On shipment to extreme points, North, South, East, or West, or on shipments of goods of great weight or bulk, and of small value, or on Goods made to-order, we shall require a remittance of 50 per cent. with order.

ALL GOODS ORDERED BY EXPRESS WILL BE SENT C. O. D., WITH CHARGES FOR RETURNING MONEY ADDED TO BILL.

PARTIES ORDERING WILL FIND IT MUCH CHEAPER TO REMIT THE COST OF GOODS WITH THE ORDER, THUS SAVING RETURN EXPRESS CHARGES ON MONEY

Crating and Boxing, where required, will be charged at cost.



Charles H. Taylor



Inside View of Ball.



Outside View of Ball.

H. H. KIFFE, BASE BALLS.

No. 1. **Kiffe's League Ball**, adopted by the Long Island and Brooklyn Amateur Associations; each ball wrapped in tin foil and put up in separate box. **Warranted** to last a game without ripping or losing its elasticity or shape. **\$10.00 per dozen. \$1.00 each.**

	Per Doz.	Each.
No. 2. Kiffe's Amateur Dead, Regulation Size.....	\$7.50	75c
" 3. " Brooklyn Club, ".....	5.00	50c
" 4. " Boys' League, 8½ inch.....	5.00	50c
" 5. " Champion, Regulation Size.....	4.00	40c
" 6. " Practice, ".....	2.00	25c
" 7. " Boys' Professional, 8½ inch.....	2.00	25c
" 8. " Eureka, Regulation Size.....	1.50	15c
" 9. " Boys' Regulation, 8½ inch.....	1.50	15c
" 10. " Young America, 8½ inch.....	.90	10c
" 11. " Star, 8 inch.....	.50	5c
" 12. " Rattler, 7½ inch.....	.40	5c
Spalding's League Ball.....	15.00	\$1 25
Reach's American Association Ball.....	15.00	1 25

BASE BALL BATS.



THE LOUISVILLE FALL CITY SLUGGER BAT.

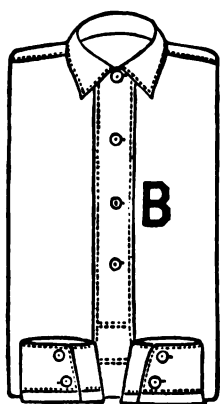
This is a new special quality Bat, selected and manufactured with more care than any bat made. Nothing but the very best clear second growth thoroughly seasoned ash is used. The bats are turned to special models as used by the leading League batters. No League club is without them; which is a guarantee that this Bat is all that can be desired. *Oriental finish*, which is very durable, and gives a pleasant firm hold for the hands. Each bat carefully weighed, and are from 32 to 40 ounces, and from 34 to 36 inches in length.

We are the sole eastern agents.

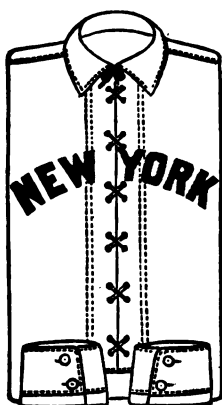
	Per Doz.	Each.
Louisville Fall City Slugger Bats,.....	\$9.00	\$1.00
Kiffe's 1st Quality,.....	5.00	50c
" Willow Bats, the best light wood Bats made,.....	5.00	50c
Spalding's 1st Quality,.....	10.00	1.00
Reach's " ".....	10.00	1.00
Keefe & Becannon Bats (former price \$10.00 a doz., \$1.00 each)	3.00	35c

Having bought at auction all the K & B Wagon Tongue Bats, we are closing them out at the ridiculous low prices of \$3.00 per dozen, former price being \$10.00 per dozen.

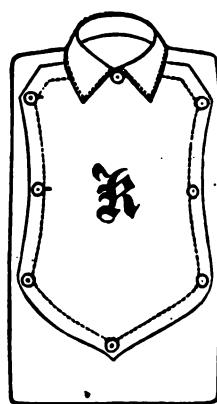
SHOWING THE DIFFERENT STYLES OF SHIRTS AND PANTS.



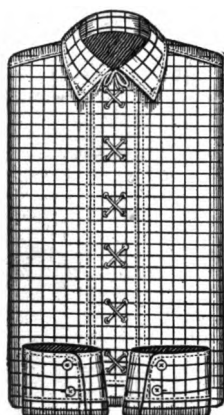
Style A.



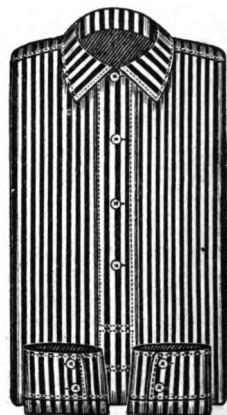
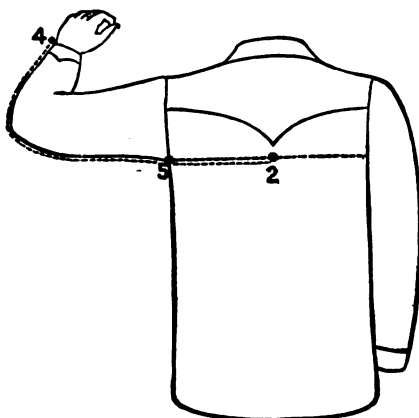
Style B.



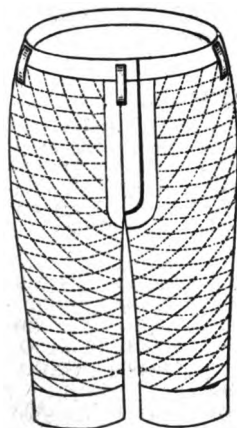
Style C.



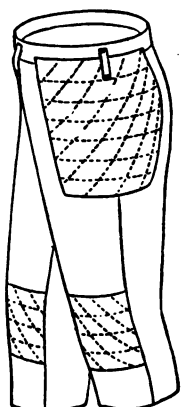
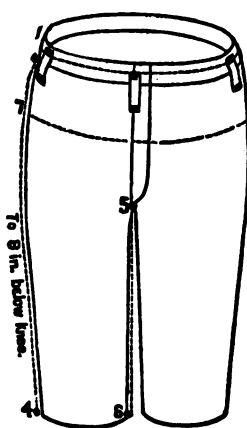
Outfit No. 1.
CHECKED FLANNEL.



Outfit No. 1.
STRIPED FLANNEL.



Pants, Full Padded.



Pants, Hips and Knees Padded.

COMPLETE BASE BALL UNIFORMS.

Our line of flannels for Base Ball Uniforms consists of five qualities and over thirty different patterns. Each grade is kept up to the highest standard. Will leave nothing undone to maintain our reputation in this department and base ball players may be assured that whatever grade of uniform is selected, it will be the very best that can be furnished for the money. We refer to the following League Clubs who have used our Uniforms: Washington, Baltimore, Brooklyn, New York, Cleveland, Buffalo and others too numerous to mention.

OUTFIT No. 1. 10 UNIFORMS FOR \$90.00.

The flannel used in this Uniform is manufactured exclusively for us. Is made of all Wool and for durability of the material and superiority of styles it cannot be excelled.

No. 1	Quality Shirt, any style.....	\$4.50
" "	" " Pants.....	3.50
" "	" " Stockings.....	1.50
" "	" " Cap, any style.....	1.00
" 0	" " League Belt.....	.50
Price per Uniform.....		\$11.00
Extra for full Padded Pants, per pair.....		1.50
Extra for hips and Knees Padded, per pair.....		1.00

OUTFIT No. 2. 10 UNIFORMS FOR \$75.00.

This outfit is made of 8 oz., all wool flannel. Warranted fast colors.

No. 2	Quality Shirt, any style.....	\$3.50
" "	" " Pants.....	2.75
" "	" " Stockings.....	1.25
" "	" " Cap, any style.....	.75
" 0	" " League Club Belt.....	.50
Price per Uniform.....		\$8.75
Extra for Full Padded Pants, per pair.....		1.50
Extra for Hips and Knees Padded, per pair.....		1.00

OUTFIT No. 3. 10 UNIFORMS FOR \$60.00.

This outfit is made of 6½ oz., all wool flannel. Warranted fast colors.

No. 3	Quality Shirt, any style.....	\$3.00
" "	" " Pants.....	2.35
" "	" " Stockings.....	1.00
" "	" " Cap, any Style.....	.65
" 1	" " League Belt.....	.40
Price per Uniform.....		\$7.40
Extra for Full Padded Pants.....		1.50
Extra for Hips and Knees Padded.....		1.00

OUTFIT No. 4. 10 UNIFORMS FOR \$45.00.

This outfit is made of 4½ oz., all wool flannel. Warranted fast colors.

No. 4	Quality Shirt, any style.....	\$2.50
" "	" " Pants.....	2.00
" "	" " Stockings.....	.50
" "	" " Cap, any style.....	.50
" 2	" " Worsted Belt.....	.35
Price Per Uniform.....		\$5.85
Extra for Full Padded Pants.....		1.00
Extra for Hips and Knees Padded.....		.75

OUTFIT No. 5. 10 UNIFORMS FOR \$30.00.

This outfit is made of cotton and wool flannel. Warranted fast colors.

No. 5	Quality Shirt, any style.....	\$1.50
" "	" " Pants.....	1.25
" "	" " Stockings.....	.30
" "	" " Cap, College, Chicago or Boston.....	.40
" 3	" " Belt.....	.15
Price per Uniform.....		\$3.60
Extra for full Padded Pants per pair.....		1.00
Extra for Hips and Knees Padded.....		.75

Special measurement blanks and samples of flannel for above uniforms furnished upon application.

One Letter furnished on each shirt Gratis, extra letters, 5 cents each.

BASE BALL SHIRTS.

Our Shirts and Pants do not rip in the seam; the bottoms and trimmings do not come off; are all made in the neatest possible manner. If our prices and samples are compared with any other dealer, the difference in our favor will at once be seen. Made in any style.

		Per doz.	Each.
No. 1	LEAGUE FLANNEL—Outfit No. 1	\$51.00	\$4.50
" 2	8 oz. " " 2	39.00	3.50
" 3	6½ " " 3	38.00	3.00
" 4	4½ " " 4	24.00	2.25
" 5	Cotton and Wool Mixed FLANNEL—Outfit No. 5,	15.00	1.50

Shirt Measurement.—Neck, size of collar worn; chest, 5 to 5; arm, from middle of back to wrist (arm bent) 2 to 4. See cut, page 2.

BASE BALL PANTS.

		Per doz.	Each.
No. 1	LEAGUE FLANNEL—Outfit No. 1	\$36.00	\$3.50
" 2	8 oz. " " 2	30.00	3.00
" 3	6½ " " 3	24.00	2.50
" 4	4½ " " 4	18.00	2.00
" 5	Cotton and Wool Mixed " 5	12.00	1.25

PADDING.

Padding, full length,	\$1.50	per pair extra.
" " " "	1.25	" "
Hips and knees padded	1.00	" "
" " " "	.75	" "

Pants Measurement.—Waist, from 1 to 1; outside seam from waist to 8 inches below the knee, 1 to 4; inside seam, from crotch to 8 inches below the knee, 5 to 6; around hip, 7 to 7. See Cut, page 2.

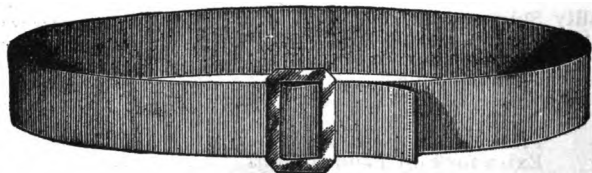
Samples and Measurement Blanks Sent on Application.

BASE BALL BELTS.

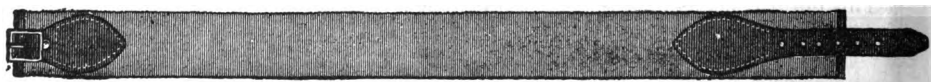
Our Nos. 0 and 1 League Club Belts are made of best Worsted Webbing, 2½ inches wide, mounted in best manner, with large 2½-inch Nickel-plated Buckle and are the finest belts made. Our No. 2 Belt is made of same webbing, leather mounted, with 1½-inch Nickel Buckle. We keep the following colors of webbing in stock: Blue, Scarlet, White, Maroon, Navy Blue, Brown, Blue with White edge, and Red with White edge. When ordering send waist measure.



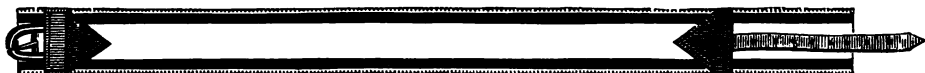
	Per doz.	Each.
No. 0—League Club Belt, 2½-inch Nickel-plated Tongue Buckle,	\$5.00	50c.



No. 1—League Club style, 2½ inch, Nickel-plated Buckle,	\$4.00 per dozen; 40 cents each.
Captain's Belt, White, with Blue or Red Letters	50 cents each.



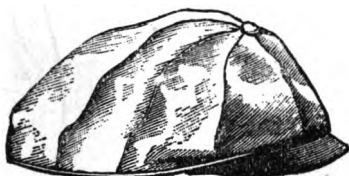
No. 2—Leather Mounted, 1½ inch, Nickel-plated Buckle,	\$3.00 per dozen; 35 cents each.
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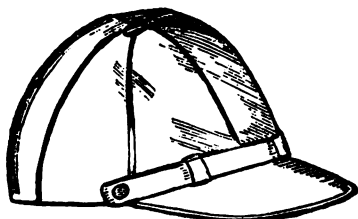
No. 3—Leather Mounted, Cotton Webbing	\$1.25 per dozen; 15 cents each.
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Sample of any of the above Goods sent by Mail on receipt of price.

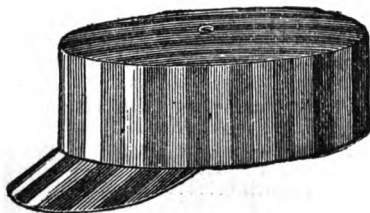
CAPS AND HATS.

**Boston or Tennis Cap.**

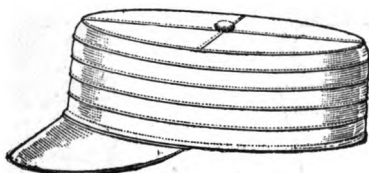
Striped or plain flannel, silk lined, \$3 00 per dozen.
 First quality, \$6 75 per dozen.
 Second quality, \$5 00 per dozen.
 Third quality, \$2 25 per dozen.

**Jockey Cap.**

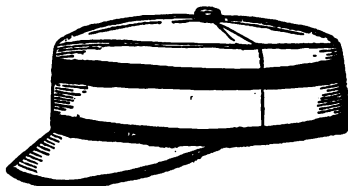
With or without Star or Colored Seams.
 First quality, \$7 50 per dozen.
 Second quality, \$6 00 per dozen.

**Striped College Cap.**

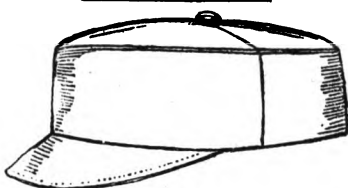
Extra quality, silk lined, \$8 00 per dozen.
 First quality, \$6 75 per dozen.
 Second quality, \$5 00 per dozen.

**League Pleated Cap.**

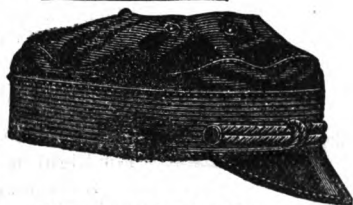
Extra quality, satin lined, \$12 00 per dozen.
 First quality, silk lined, \$10 00 per dozen.
 Second quality, regular lined, \$8 00 per dozen.

**Chicago Cap.**

Extra quality, silk lined, \$9 00 per dozen.
 First quality, \$7 50 per dozen.
 Second quality, \$6 00 per dozen.
 Third quality, with only one band, \$3 00 per dozen.

**College Cap.**

Extra quality, silk lined, \$8 00 per dozen.
 First quality, \$6 75 per dozen.
 Second quality, \$5 00 per dozen.
 Third quality, \$2 25 per dozen.

**Bicycle and Boating Caps.**

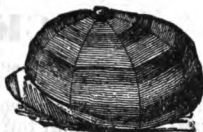
First quality, Navy Cloth.....each, \$1 25
 Second quality, Navy Cloth..... " 1 00
 Made of first quality flannel..... " 75

**Striped Tennis Coat and Cap.**

The following colors:—Black and Crimson—White and Maroon—Orange and Black—Blue and Black—Navy and White—Yellow and Black—Maroon and Yellow.

TO MEASURE.

FOR COAT—Size around chest; length of arm from centre of back to wrist. FOR CAP—Size worn.

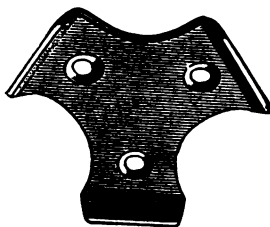


Coat.....\$4 50
 Cap..... 75
 Together..... 5 00

**Hats.**

Extra quality, silk lined, \$15 00 per dozen.
 First quality, silk trimmings, \$13 00 per doz.
 Striped flannel **Tennis Hat**, \$15 00 "
 Light weight **Felt Tennis** or **Hammock**
 Hats, any color, \$1 25 each.

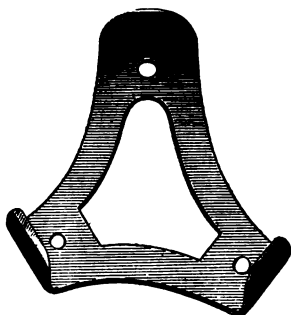
BASE BALL SHOE PLATES.



No. 2.



Nos. 1 and 3.



No. 0.

Our new design League Tempered Steel Shoe Plate has become the favorite plate among League players during the past season. It is made by hand of the best quality English steel. The peculiar shape of the plate is shown in the adjoining cut. The majority of League players use this plate on the toe, and our No. 3 plate on the heel. Each pair of plates are put up with screws in an Envelope.

- No. 0. Kiffe's League Shoe Plate, per pair, 40 cents; per doz. prs., \$4.00
 No. 1. Kiffe's Professional Shoe Plate is made of a good quality steel, and will render good service. Per pair, 20 cents; per doz. prs., \$2.00.
 No. 2. Kiffe's Steel Shoe Plate, light and durable. Per pair, 10 cents; per doz. prs., \$1.00.
 No. 3. Kiffe's Tempered Steel Heel Plates. Per doz. prs., \$2.00; single pair, 25 cents.

PLAYER'S UNIFORM, BAGS AND ROLLS.

The handy packing of his uniform in a way that will not wrinkle and soil it, and where it can easily be carried, is an important item with every player. We have designed a roll which answers all requirements; it is made of canvas, handsomely leather trimmed, and is very durable; it has separate compartments for shoes, etc.

- No. 1. Extra heavy canvas.....doz. \$12.00 each, \$1.25
 " 2. Heavy canvas.....doz. 9.00 " 1.00
 " 3. Bag or Satchel, made of brown leather, same as furnished to League players, \$24.00 dozen; \$2.50 each.

Any of above Goods sent by Mail on Receipt of Price.



Base.

BASES.



Pitcher's Box Plates.



Home Plate.

- No. 0. League Club Bases, made of extra heavy canvas, stuffed and quilted, complete, with straps and spikes, without home plateper set of three, \$6.00
 No. 1. Canvas Bases, with straps and spikes, not quilted, otherwise as No. 0.....per set of three, 4.00
 No. 2. Cheap Canvas Bases, not stuffed, with straps and spikes complete, without home plate.....per set of three 2.00
 Regulation Rubber Home Plate, as used on all League Grounds each, 7.50
 Marble Home plate, best..... 3.00
 Iron " " " " " 1.00
 Plates for Pitcher's box, rubber, per set of 4..... 8.50

GRAYS' PATENT BODY PROTECTOR.

The most useful device ever invented for the protection of catchers or umpires, and renders it impossible for the catcher or umpire to be injured while playing close to the batter. Made very light and pliable, and does not interfere in any way with the movements of the wearer, either in running, stooping or throwing. No catcher or umpire should be without one of these protectors.

- No. 00. Umpires.....each, \$10.00
 " 0. Professional..... " 10.00
 " 1. Amateur..... " 6.00

Youths' and Boys' Breast Protector.

This supplies a long felt want, for they are nicely made, well padded and quilted.

- No. 2. Leather and canvas.....each, \$5.00
 " 3. Chamois and canvas..... " 3.00

Any of Above Goods, excepting Bases, Pitcher's and Home Plates, sent by Mail on receipt of Price.



CLOVES AND MITS.



No. 1. Mitt, Front View.



No. 1. Mitt, Back View.



Right Hand Glove. Baseman's or Fielder's Glove.



PER PAIR.

- No. 0. **Buck Ewing Mitt**, made according to specifications and suggestions of William Ewing, celebrated catcher of the New York Base Ball Club and used by him for the last two seasons. Impossible to break the fingers. Material used the best that can be obtained. Workmanship unsurpassed. With right hand throwing glove..... \$6.00
- " 1. **Kiffe's Special Laced League Catcher's Mitt**, finest quality drab, extra heavy buckskin, with fingerless throwing glove and patent Decker back. This mitt is padded with extra thick felt and is absolutely the finest protection for the hand ever made.... 5.00
- " 2. Same style as No. 1, made of Hogskin, very soft, pliable and durable, but without Decker's patent back and lacing, but including fingerless throwing glove..... 4.00
- " 3. Same style as No. 2, made of heavy gold tanned leather, heavy padded with felt, with fingerless throwing glove..... 3.00
- " 4. Same style as No. 3, but of cheaper material and well made; a very good mitt for the money..... 2.00
- " 5. Same style as No. 4, but cheaper quality..... 1.00
- " 6. **Boys' Mitt**, same style as No. 3..... 2.00
- " 7. " " " " " "..... 1.00
- " 8. " " " " " "..... .50
- " 9. **Fielding Glove**, Irwin's best buckskin..... Each. \$2.25
- " 10. " " " Kiffe's..... 2.00
- " 11. " " " second quality..... 1.50
- " 12. " " " third..... 1.00
- " 13. **Baseman's** " best, well padded..... 2.50
- " 14. " " for Boys, best buckskin..... 1.00
- " 15. " " " Indian tan..... .75
- " 16. " " " "..... .50
- " 17. **Irwin's First Basemen's Mitt**, extra quality, first..... 4.00
- " 18. " " " "..... 3.00

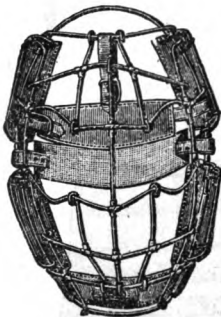


BUCK EWING MITT.
Front View.



BUCK EWING MITT.
Back View.

KIFFE'S OPEN SIGHT CATCHER'S MASK.



Nos. 1 to 4.



No. 00.

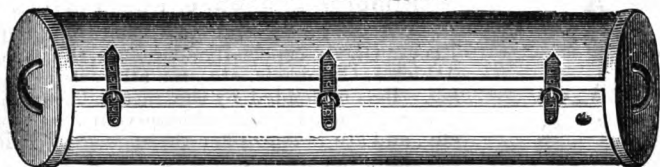


No. 0.

- No. 00. **New Patented Sun Protecting Mask**. Made of black enamel wire, with a perfect shade for the eyes, not increasing the weight of the mask. A great improvement on all other makes..... \$5.00
- " 0. **New Patented Face and Neck Protecting Mask**. This mask has a peculiar shaped extension at the bottom which affords the same protection to the neck as the mask does to the face. It does not interfere in the slightest degree with the free movement of the head and is the only mask made which affords perfect protection to a catcher. The entire mask is constructed of the best hardened wire, extra heavy, padded with goat hair, and the padding faced with the best imported dogskin, which is impervious to perspiration and always soft and pliable..... 4.00
- " 1. **Special League Mask**, used by all the leading professional catchers, extra heavy wire, well padded and the padding faced with the best imported dogskin, which is impervious to perspiration and retains its pliability and softness..... 3.50
- " 2. **League Mask**, made of heavy wire, well padded, warranted first-class in every respect..... 3.00
- " 3. **Amateur Mask**, made the same size and general style as the League Mask, but lighter wire..... 1.75
- " 4. **Boys' Mask**, similar to the No. 3 but to fit a boy's face..... 1.50
- " 5. " " similar to No. 4 but without Head or chin piece..... .50

ANY OF ABOVE SENT BY MAIL ON RECEIPT OF PRICE.

BAT BAGS.



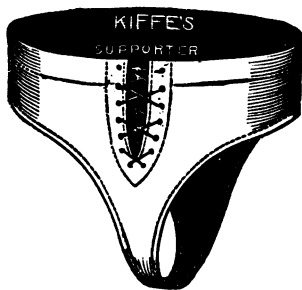
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INDIVIDUAL BAT BAGS.—To hold 2 Bats.



- | | Dozen. | Each. |
|--|---------|--------|
| No. 4.—Sole leather bat bag for two bats, as used by the players of the League and American Association Clubs..... | \$36 00 | \$3 00 |
| “ 5.—Same size and style as above, made of strong canvas..... | 9 00 | 90 |
| “ 6.—“ “ “ “ “ “ cheaper canvas..... | 5 00 | 50 |

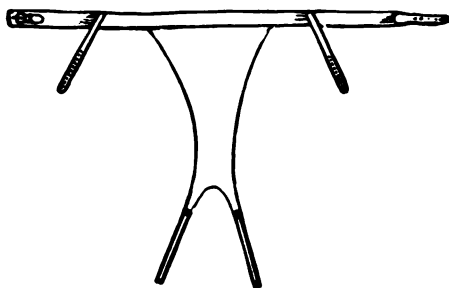
KIFFE'S IMPROVED SUPPORTER.



The best fitting, most comfortable and effective Supporter yet devised. Used by ball players, athletes, boating men and the theatrical and sporting profession generally. Made of best quality Canton flannel, with laced front. 50 cents each ; \$5 00 per doz.

Sent by Mail on receipt of price.

IMPROVED JOCK STRAP.

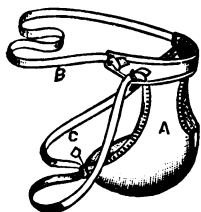


Used by most professional ball players,
athletes and gymnasts, and pronounced to
be the best thing of the kind ever invented.
Made of extra strong muslin, 25 cts. each ;
\$2 50 per doz.

Sent by Mail on receipt of price.

"SYRACUSE" SUSPENSORY BANDAGE.

With Self-Adjusting Sliding Loop at Back of Pouch.



The Pouch (A) is supported by two bands, the large band (B) passing around the body, and the small band (C) passing around the buttocks and through the sliding loop (D). The loop (D) slides freely on the small band (C) and thereby allows the pouch to adjust itself just as the movements of the person or clothing requires; consequently the Suspensory will fit, no matter what position the body may assume.

The sliding loop (D) makes the Suspensory self adjusting and gives freedom of movement. prevents pulling, cording and chafing. Gives support without restraint of motion, renders displacement impossible. Makes our Suspensory perfect fitting, and affords comfort and relief to wearer.

Made in three qualities,	1st quality.....	\$1 00 each,	} Sent by mail, post paid, on receipt of price.
	2d "	75 "	
	3d "	50 "	



Athletic and Base Ball Players' Elastics.

We are now having manufactured a full line of Silk Elastic Goods, especially adapted to the use of Ball Players, Athletes, Gymnasts, etc., for all parts of the arm, body or leg. Recommended by the medical fraternity, in all cases of sprains, weak joints, varicose veins, weak or tired muscles, etc., and are able to offer these goods at a lower price than any other house.

DIRECTIONS FOR MEASUREMENT.

- | | | |
|--------|---|--------|
| No. 1. | Silk Shoulder Cap, strapped across the chest. | \$3 50 |
| | Circumference around Arm and Chest separately. | |
| " 2. | Silk Wristlet—circumference around wrist.... | 75 |
| " 2½. | Silk Muscle Cap " " muscle. | 1 25 |
| " 5. | Elbow Cap, circum. around arm, above and below elbow | 1 50 |
| " 5½. | Forearm, circum. around forearm..... | 1 00 |
| " 3. | Thigh piece, around leg above knee, around thigh, and length from crotch to knee..... | 4 00 |
| " 4. | Knee Stocking, circumference around leg at knee, calf, ankle and instep—length from knee to bottom of heel..... | 4 50 |
| " 6. | Abdominal Belt, circumference around waist and above and below bowels..... | 6 00 |
| " 7. | Knee Cap, circumference around, above and below knee | 2 50 |
| " 8. | Anklet, circum. around ankle and instep—also length from sole of foot to above ankle.... | 3 00 |

We do not quote prices on Cotton Elastic Goods, as there is very little difference in the price, and the Silk Goods being much handsomer, more durable and satisfactory.

Attention is called to above explicit directions for measuring Elastic Stockings, etc. By carefully observing them, an accurate fit can always be secured, and a fresh and reliable article can always be depended upon.

BOOKS ON BATTING AND PITCHING, ETC.

Illustrated Hand Book of Pitching and Fielding.—A work containing instructive chapters on all the latest points of play in Base Ball Pitching, including curve pitching, special delivery, strategy, headwork, speed, throwing, Balking, etc., with new rules for pitching and fielding, and catching the ball. Price each 25 cents by mail.

Illustrated Hand Book of Batting and Base Running.—Containing special chapters and illustrations on scientific batting, position, placing the ball, sacrifice hitting, home runs, base hits, new batting rules, the art of running the bases, etc. The only book of the kind published. Price each, 25 cents by mail.

How to become a Player, by John M. Ward (Illustrated) 25 cents by mail.

Base Ball Guides. League or American Association, 10 cents each by mail.

SCORE BOOKS.

Our Pocket and Club Score Book continues to be the popular score book, and is used by all the leading scorers and base ball reporters. They are adapted for the spectator of ball games, who scores for his own amusement, as well as the official club scorer, who records the minutest detail. By this system the art of scoring can be acquired in a single game.

Full instructions, with the latest League rules, accompany each book.

This cut represents a page in our Score Book, greatly reduced. The

diamond in the center of the square is the base ball field. The home base is at the bottom of diamond, the first base at right side, etc. The spaces in each corner of the square are to be a line between the two bases forming a

[illegible]

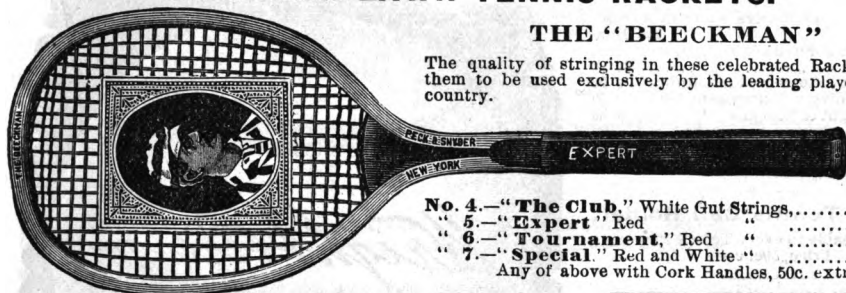
POCKET.		EACH.
No. 1.	Paper Cover, 7 games.....	\$0 10
" 2.	Board " 22 "	25
" 3.	" 46 "	50
Score Cards.....		05
Reporter's Score Book, pocket-size, leather bound, 1 000.....		1 00

CLUB BOOKS.

CLUB BOOKS.			EACH.
No. 4.	Large size,	80 games.....	\$1 00
" 5.	" "	60 ".....	1 75
" 6.	" "	90 ".....	2 50
" 7.	" "	120 ".....	3 00

Pocket and Club Books mailed upon receipt of price.

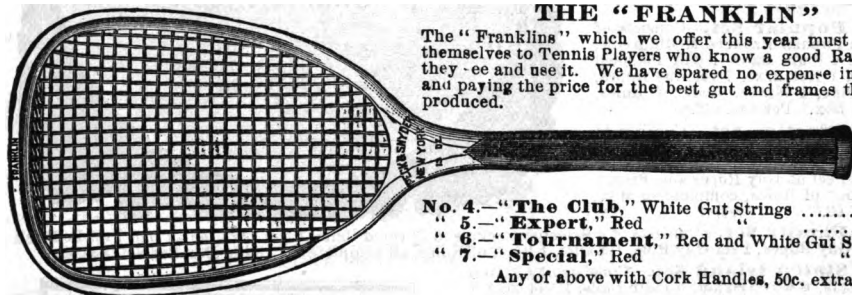
LAWN TENNIS GOODS. SUPERIOR LAWN TENNIS RACKETS.



THE "BEECKMAN"

The quality of stringing in these celebrated Rackets caused them to be used exclusively by the leading players in this country.

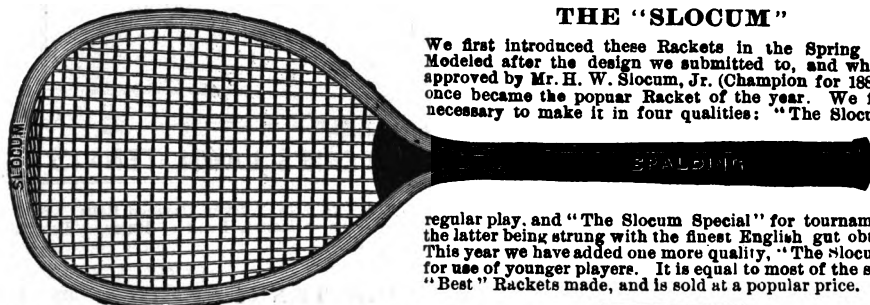
- No. 4.—"The Club," White Gut Strings,\$3.50
 " 5.—"Expert," Red " 4.50
 " 6.—"Tournament," Red " 5.50
 " 7.—"Special," Red and White " 6.50
 Any of above with Cork Handles, 50c. extra.



THE "FRANKLIN"

The "Franklins" which we offer this year must commend themselves to Tennis Players who know a good Racket when they see and use it. We have spared no expense in selecting and paying the price for the best gut and frames that can be produced.

- No. 4.—"The Club," White Gut Strings\$3.50
 " 5.—"Expert," Red " 4.50
 " 6.—"Tournament," Red and White Gut Strings 5.50
 " 7.—"Special," Red " 6.50
 Any of above with Cork Handles, 50c. extra.



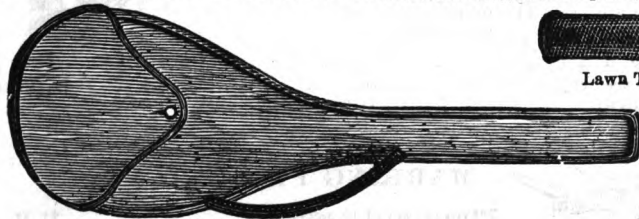
THE "SLOCUM"

We first introduced these Rackets in the Spring of 1888, Modeled after the design we submitted to, and which was approved by Mr. H. W. Slocum, Jr. (Champion for 1889), it at once became the popular Racket of the year. We found it necessary to make it in four qualities: "The Slocum" for

regular play, and "The Slocum Special" for tournament use, the latter being strung with the finest English gut obtainable. This year we have added one more quality, "The Slocum, Jr.," for use of younger players. It is equal to most of the so-called "Best" Rackets made, and is sold at a popular price.

- "The Tournament Slocum," made of finest white ash, ebonized throat piece, cedar handle, strung with fine all white English gut,\$6.50
 "The Slocum Special," made of finest white ash, ebonized throat piece, with cedar handle, strung with finest all red English gut, size of bow, 10 1/4 x 8 inch: weight from 12 to 15 ounces, 5.50
 "The Slocum," made of finest white ash, ebonized throat piece, with cedar handle, strung with finest red and white domestic gut; weight 12 to 15 ounces 4.50
 "The Slocum Junior," made of fine white ash, ebonized throat piece, cedar handle, strung with good white domestic gut, weight 12 to 15 ounces, 3.50
 Note—We do not guarantee Rackets against breaking.

- Racket Presses, made of two cross pieces, for keeping Rackets, (when not in use), in their original shape, Price each, \$1 00. 1.25, 2 00
 Restraining Rackets,extra quality gut, \$2.00; good quality gut, \$1.50.



Lawn Tennis Handle Covers, (rubber),
By mail, each, 45c.

TENNIS RACKET COVERS.

- Green Baize,50c. Rubber Cloth, Waterproof,75c. Canvas, Leather Bound,\$1.00.
 Sent by mail on receipt of price.

Any Tennis Goods not in this Catalogue can be supplied at short notice.

LAWN TENNIS POLES.

No. 1. One Piece $4\frac{1}{2}$ feet Ash Poles.....per pair, 95c.



No. 2. Two Piece or Jointed $4\frac{1}{2}$ feet Ash Poles.....per pair, \$1 90



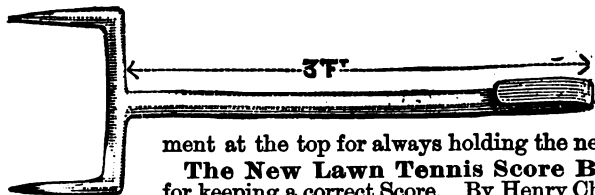
No. 2. One Piece, Polished Maple, with steel spike at bottom and screw eyes for attaching net.....per pair, \$1 40

GUY ROPES, RUNNERS AND PEGS.

No. 4. Medium-sized Cotton Ropes, 4 plain pegs, 4 runners.....per set, \$ 45

" 5. Large Cotton Ropes, 4 large polished maple pegs, 4 runners.....per set, 75

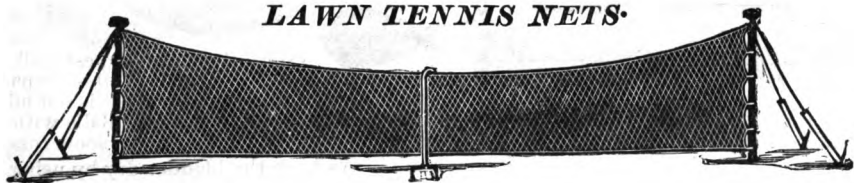
No. 6. Large Braided Ropes, 4 extra large polished ash pegs, 4 runners.... " 1 10

THE IMPROVED TENNIS FORK.

This device has long been required to hold the net exactly 3 feet high at the centre. It is made of Wrought Iron, is forced in the ground at the bottom, with an attachment at the top for always holding the net in position. Price, each, 75c.

The New Lawn Tennis Score Book, with complete instructions for keeping a correct Score. By Henry Chadwick. The only data on which a correct estimate of a player's skill can be based in Lawn Tennis is that which gives the figures of the score of aces by service and returns. This is the only correct Score Book published, and is endorsed and used by all professional clubs. Price in flexible cloth, each, 25 cents.

Tennis Guide, containing Rules, By-Laws, etc., adopted by the United States National Lawn Tennis Association. Price, 15 cts.

LAWN TENNIS NETS.

Nos.	Each.	Nos.	Each.
1. 36x3, 15 thread.....	\$1 50	7. 36x3, 15 thread, Canvas bound, d'ble center..	\$4 50
2. 42x3, 15 ".....	2 00	8. 42x3, 15 " " " " " " " " " " " "	5 50
3. 36x3, 15 " Canvas bound.....	2 00	9. 36x3, 21 " " " " " " " " " " " "	5 50
4. 42x3, 15 " " " " " " " " " " " "	2 50	10. 42x3, 21 " " " " " " " " " " " "	6 00
5. 36x3, 21 " " " " " " " " " " " "	3 00	11. Back Stop Net, 50x7.....	8 00
6. 42x3, 21 " " " " " " " " " " " "	3 50	12. " " " " " " " " " " " " " " " "	1 00

LAWN TENNIS SHOES.

We have in stock this season a fine line of Tennis Shoes, with rubber soles, as follows :

Extra quality, French Calf.....	per pair, \$5 00
Fine English, canvas, foxed with calf..	" 3 50
Black canvas, very light weight.....	" 1 50
White " " " " " " " " " " " "	" 1 00



FOOT BALL PLAYERS' SUPPLIES.**FOOT BALL JACKETS.**

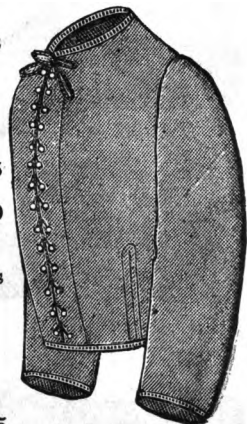
We only make **one grade**, which is the very best.

- No. 1. Made from Heaviest White Canvas, sewed with the best and strongest linen thread, every seam doublestitched. Warranted equal to any Jacket made. \$1 25
- No. 2. Made of Moleskin, very fine in every respect. 4 50

FOOT BALL PANTS.

We only make **one grade**, which is the very best

- No. 1. Canvas, made of Heavy White Canvas, sewed with the best and strongest linen thread, every seam double stitched. Warranted equal to any Foot Ball Pants made... 1 25



- No. 2. Made of Moleskin, very fine in every respect. extra, per pair, \$0 75.
- Heavy padded full length. 70.
- Padding Hips and Knees. 3 75.
- Heavy padded full length. extra " 75.
- Padding Hips and Knees. " " 70.

FOOT BALL CAPS.**KNITT WORSTED.**

- No. 1. Plain Colors.....\$ 90
- " 1. Striped.....1 00

SKULL CAP.

- " 2. Plain Colors..... 60
- " 2. Striped..... 75



No. 2.

FOOT BALL SHOES.

We have three styles Foot Ball Shoes, with sole leather ribbed soles as shown in the illustration.

- No. 1. Leather, Kangaroo or Calfskin.....per pair, \$4 50
- " 2. Canvas, Foxed with Calfskin..... 3 00
- " 3. 2 00

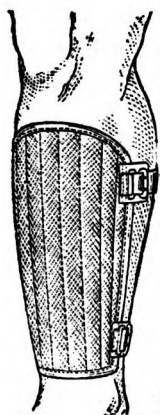
**SWEATERS.**

- | No. | Each. |
|---|--------|
| 0. Heavy All Wool, White, Black or Navy | \$1 50 |
| 1. Same as No. 0, but better quality Wool..... | 2 50 |
| 2. Same as No. 1, but extra Heavy..... | 3 50 |
| 3. Extra Heavy and Extra Fine All Wool, White Black or Navy | 5 00 |
| 4. Very Heavy Camels' Hair, Seamless..... | 6 00 |

FOOT BALL STOCKINGS,
See Page No. 6.

FOOT BALL BELTS,
See Page No. 4.

SHIN GUARDS,
Per pair.....\$1 50



FOOT BALL RULES, as adopted by the College Association.....15c. each

ATHLETIC SHOES.

Nos. 1, 2 and 3.



Nos. 4, 5, 6 and 7.



No. 8.



No. 11.



Nos. 12 and 13.



No. 14.



No. 15.



Nos. 16 and 17.



No. 18.

RUNNING SHOES.

ALL HAND MADE.

Nos. 3, 5, 7, 8 and 9 warranted in every respect.

Price
Per Pair.

- | | | |
|--------|---|--------|
| No. 1. | Canvas Running Shoes, with rubber sole (see cut)..... | \$1 25 |
| " 2. | Horsehide Running Shoes, with rubber sole (see cut).... | 2 25 |
| " 3. | Horsehide Running Shoes, with leather sole (see cut).... | 2 00 |
| " 4. | Canvas Indoor Running Shoes, with 6 short spikes in sole (see cut)..... | 2 25 |
| " 5. | Horsehide Indoor Running Shoes, with 6 short spikes in sole (see cut) | 3 00 |

Our Nos. 4 and 5 Shoes are the shoes used at the Harvard College Games with which all Indoor Records were broken.

- | | | |
|--------|--|------|
| No. 6. | Horsehide Sprinting Shoes, with 6 spikes in sole (see cut) | 2 25 |
|--------|--|------|

- | | | |
|------|--|------|
| " 7. | Kangaroo Sprinting Shoes, with 6 spikes in sole (see cut)..... | 4 00 |
|------|--|------|

- | | | |
|--------|---|------|
| No. 8. | Kangaroo Jumping Shoes, with 6 spikes in sole and 1 in heel (see cut).... | 4 00 |
|--------|---|------|

- | | | |
|------|---|------|
| " 9. | Kangaroo Walking Shoes, with low heel | 4 00 |
|------|---|------|

- | | | |
|---------|--|------|
| No. 10. | Cordovan Walking Shoes, with low heel | 2 00 |
|---------|--|------|

CHAMOIS PUSHES, 20 cents per pair.**GYMNASIUM SHOES.**

- | | | |
|---------|--|------|
| No. 11. | Low cut, white or black canvas, with black rubber soles (see cut)..... | 1 00 |
| " 12. | High cut, lace top, white or brown canvas, with black rubber soles (see cut)..... | 1 35 |
| " 13. | High cut, Kangaroo, with chamois sole; used mostly for boxing..... | 2 50 |
| " 14. | High cut, lace top, white canvas, with soft pliable leather sole (see cut)..... | 1 25 |
| " 15. | High cut, white canvas, canvas sole. | 1 00 |
| " 16. | Black Leather Slipper, with soft pliable and rough leather sole, lace top (see cut)..... | 1 50 |
| " 17. | White Canvas Slipper, with leather sole..... | 75 |
| " 18. | " " " " canvas " | 50 |

All Goods on this Page Sent by Mail on Receipt of Price.

RUNNING PANTS.

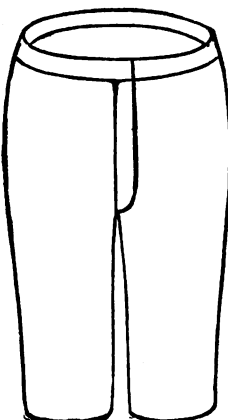
with Elastic Waist.



NO FLY.

No.	Per pair
1—White or Black Silesia, without fly, see cut, \$0 30	
2—“ “ “ with “ “ 60	
3—Flannel, any color, without fly.....	75
4—Satine, “ “ with or without fly.....	1 00
5—Silk, “ “ “ “.....	2 00
6—Satin, “ “ “ “.....	3 00
7—Cotton, Knit, white only, without “.....	50
8—Wool, Jersey Cloth, Navy Blue only.....	1 25

Above pants are loose fitting and come above the knee.



WITH FLY.

STOCKING SUPPORTERS

Fastened to belt—no buttons.....by mail, 35 cents.

(Send waist measure.)

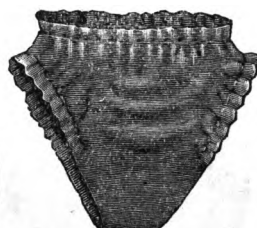


GUERNSEYS OR "SWEATERS."

No.	Each.
0. Heavy All Wool, White, Black or Navy.....	\$1 50
1. Same as No. 0, but better quality Wool.....	2 50
2. Same as No. 1, but Extra Heavy.....	3 50
3. Extra Heavy and Extra Fine All Wool, White Black or Navy.....	5 00
4. Very Heavy Camels' Hair, Seamless.....	6 00



PLAIN TRUNKS.



PUFFED TRUNKS.

TRUNKS.

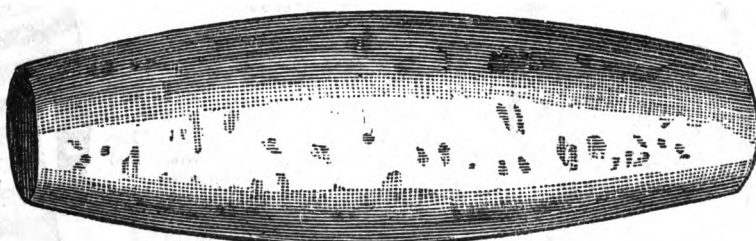
No.	Per Pair.
1. Velvetine, any color, } Fashioned \$1 00	
2. Satine, “ “ } and 50	
3. Silesia, “ “ } Puffed, 25	
Satin, \$1.50; Silk, \$1.25, made to order only.	

FOR BATHING.

No.	Per Pair.
4. Worsted, Plain Knit, Fashioned... \$1 25	
5. Wool, Jersey Cloth, “ and Puffed 50	
6. Cotton, Fancy Stripes.....	50
7. “ Plain.....	25

IMPORTED ENGLISH RUNNING CORKS.

A very necessary article for long and short distance pedestrians, and also for running, jumping, etc. Until now it has been impossible for athletes to get the proper thing in running corks, and resort was had to corn cobs, pieces of wood, and in fact most anything that could be grasped in the hand, but which failed to be the right thing. These corks—now offered for the first time—are made to fit perfectly the hollow of the hand, and are a great help to the runner. By mail, post paid, per pair, 12 cents.



(ABOVE CUT EXACT SIZE.)

All above goods sent by mail on receipt of Price.

WORSTED WOOL AND COTTON KNIT GOODS,

For Boating, Athletic, Gymnast and Bicyclists.

Our Worsted Goods are all of the **finest quality, full fashioned**, and can be had in any color or shade. **All Worsted Goods warranted as represented.****Sleeveless Shirts.**

Sleeveless.

Best Worsted Shirt, any color...	\$2.25
Wool, cut Jersey Cloth, Garnet, Navy Blue, and Black....	1.25
Cotton, Black and Navy Blue...	.50
" White only.....	.45

Short Sleeve Shirts.

Best Worsted, any color.....	2.50
Wool, cut Jersey Cloth, Garnet, Navy Blue and Black...	1.25
Cotton, White and Black.....	.60

Long Sleeve Shirts.

Best Worsted, any color.....	2.75
Best Worsted, any color, standing collar.....	3.00
Best Worsted, any color, turn-down collar.....	3.25
Best Worsted, any color, Lace Front	3.35

Wool, cut Jersey Cloth, Garnet, Navy Blue and Black....	1.00
Wool, cut Jersey Cloth, heavy, standing collar, Garnet, Navy Blue and Black.....	2.50
Cotton, White and Black only...	1.50

Leotard or Body Dress.

LEOTARD has V cut, open front or lace front.....	
BODY DRESS has closed front and buttons in crotch.....	
Best Worsted, any color, made to order only.....	3.50

Sweaters (for cut see page 15)

No. 0. Cotton, heavy, white only	\$1.50
" 1. Wool, heavy, any color	2.50
" 2. " " finer quality, any color.....	3.75
" 3. Wool, Lambs, extra heavy and extra fine, any color.....	5.00

Extras.

Letters or Star, knit in shirt front, worsted only	25c
Letters sewn on shirt front, small.....	05c
Letters sewn on shirt front large.....	10c
Monogram sewn on shirt front, Stripe around neck and sleeves, Worsted only.....	25c
Sash, any width, worsted only, \$1	25
Knitting Shirt (striped) in 2 colors, worsted and sweaters only.....	25c
Knitting shirt (striped) in 3 colors, Worsted and sweaters only.....	50c



Body Dress, Buttons in Crotch.



Short Sleeves.



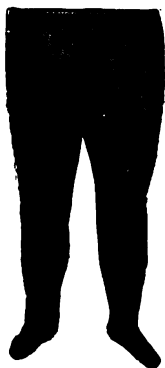
Turn-down Collar, Long Sleeves and Lace Front.



Standing Collar, Long Sleeves.



Standing Collar. Full Sleeves and Striped.



Full Tights.

KNEE TIGHTS.

Worsted, any color.....	\$2.00
Wool, cut Jersey Cloth, Garnet, Navy or Black,	1.25
Cotton, White, Navy Blue or Black,.....	.50
Heavy Ribbed Bicycle Pants,	3.50



Knee Tights.

FULL TIGHTS.

Worsted, any color,.....	\$2.75
Wool, cut Jersey Cloth, Garnet, Navy or Black,	2.25
Cotton, White or Black,.....	1.50
Heavy Ribbed Bicycle Tights,	4.50

When ordering, send waist measure, and inside seam, from Crotch to bottom of Heel.

IMPLEMENTS FOR ATHLETIC GAMES.

SOLID SHOT.--Regulation.

IRON, 12 lbs.....	\$0.75	LEAD, 12 lbs.	\$4.25
" 16 lbs.....	1.00	" 16 lbs.	5.25
" 20 lbs.....	1.25	" 20 lbs.	6.25
" 56 lbs.....	3.50	" 56 lbs.	15.00

INDOOR SHOT.

12 lbs., double leather covers,.....	\$5.50
16 lbs., double leather covers,.....	6.00



HAMMERS.

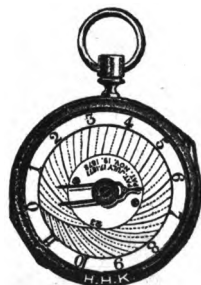
IRON, 12 lbs.....	\$2.00	LEAD, 12 lbs.	\$5.00
" 16 lbs.....	2.25	" 16 lbs.	6.00
" 20 lbs.....	2.50	" 20 lbs.	7.00
Handles only.....			1.00

THE AMERICAN PEDOMETER. Cut half-size.

English and French Pedometers have been in existence many years, but owing to the delicate machinery required, the difficulty of adjusting them to the length of step, their inaccuracy, their liability to get out of order, and the high price asked for them, they have not met with a ready sale, nor are they generally known in this market.

The American Pedometer is a simple piece of mechanism, easily adjusted to any length of step from 23 to 35 inches, cannot easily get out of order, measures accurately, is the size of an ordinary watch, in a nickel-plated case, can be carried in the vest pocket.

Its Utility.—It will measure the exact distance you walk, enable you to ascertain the shortest route between any given points, and the speed with which you walk. It is a true indicator of the amount of exercise taken in and out of doors. It is useful to Ladies, Professional and Business Men, Surveyors, Farmers, Pedestrians, Tourists, Passengers at Sea, Students, Sportsmen, Trainers and their Pupils. Invalids will find it invaluable in regulating their exercise. FULL DIRECTIONS together with ready reference table accompanies each one. Price each, by mail, \$5.00.





Two Piece Suit.

BATHING SUITS.**TWO PIECE.**

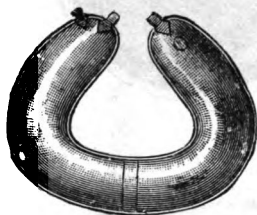
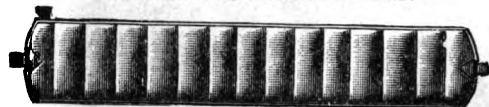
- No.
1. Finest Knit Worsted, Full Fashioned, Plain Colors \$5 25
 2. Same as above, Fancy Stripes 5 75
 3. Cut Jersey Goods 2 50
 4. Navy Flannel, trimmed with White 3 00

ONE PIECE.

5. Finest Knit Worsted, Full Fashioned, Button or Laced Front, Plain Colors 5 00
6. Same as No. 5, but Striped, Stripes any width 5 50
7. Navy Flannel, trimmed with White Braid.... 2 00
8. Cotton, Striped, Fancy Colors 1 50

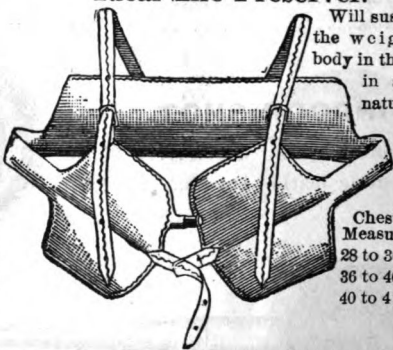


One Piece Suit.

LIFE PRESERVERS.

Price each.

- Men's, round... \$3 00
 Boy's " ... 2 40
 Men's, flat..... 4 10
 Boy's " 3 00

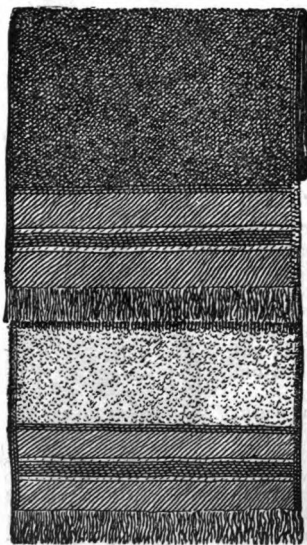


Will sustain double the weight of the body in the water and in a perfectly natural position for swimming.

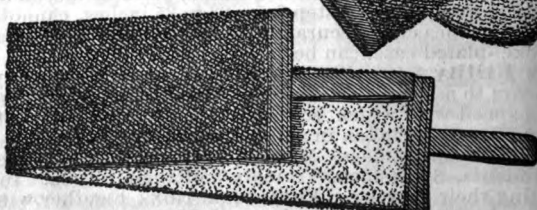
Chest Measure.	Price Each.
28 to 36 in.	\$1 50
36 to 40 in.	2 00
40 to 44 in.	2 50

BATH TOWELS, FLESH STRAPS, MITTS.

The newest things in Bath Towels, etc., both soft and rough in one, one side being the rough Turkish surface, the reverse side soft and velvety. The advantage of this combination is at once apparent, and to the bather is a positive luxury, producing with little effort the friction and glow to the flesh so necessary and so exhilarating after the bath. For Gymnasium use, and for Base Ball, Tennis and Cricket players these new goods are invaluable.



Towels, each, 50c.



Flesh Straps, each, 75c.

Mitts, per pair, 40c.

INDIAN CLUBS.

Our Indian Clubs are made of the choicest timber, turned by hand to correct models which are furnished by expert clubswingers as the correct size for the weight. The weight of these clubs is usually a trifle under the actual avoirdupois weight, owing to the difference in weight of timber.

Maple Clubs.

Made of a good quality maple, finished in hard oil and polished.

Weight, lbs.	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	5	6	7	8
Per pair,	25c.	30	35	40	45	50	65	\$1 00	1 10	1 25

Rosewood Finish Clubs.

Made of good quality maple. A beautiful Rosewood Finished Club at a low price.

Weight, lbs.	1	2	3	4	5	6	7	8	9	10
Per pair,	80c.	\$1 00	1 25	1 50	2 00	2 25	2 75	3 00	3 25	3 75

Ebonite Indian Clubs.

Made of choicest timber, handsomely finished in Ebonite. The most beautiful club made.

Weight, lbs.	1	2	3	4	5	6	7	8	10
Per pair,	\$1 00	1 10	1 30	1 70	2 00	2 25	3 50	4 00	5 00

Exhibition Indian Clubs.

Made in four sizes only: 3 lb. size weighing about 1 lb., 5 lb. size weighing about 2 lbs., 7 lb. size weighing about 3 lbs., 10 lb. size weighing about 4 lbs. Very handsomely finished with Ebonite band, gilt beads. Just the club for exhibition purposes.

Size,	3 lbs.	5 lbs.	7 lbs.	10 lbs.
Weight, about	1 lb.	2 lbs.	3 lbs.	4 lbs.
Per pair,	\$2 00	3 00	4 00	5 00

INDIAN CLUB HANGER.

Per pair.....15 cents.

DON'T DROWN.

LEARN HOW TO SWIM

WITH THE

Patent Improved Swimming Jacket.

This improved shape is especially adapted for **Swimming, Bathing and Boating** purposes. It is so arranged that it is no incumbrance to the person, and is easily adjusted; the most timid person can easily learn to swim in a very short time with this preserver. For surf bathing it can not be equalled, and can be worn under a bathing suit without being noticed, and when once adjusted can not be displaced. No person intending a visit to the sea shore should deprive themselves of the sense of security and comfort insured by this article.

MADE IN 3 SIZES, SMALL, MEDIUM AND LARGE.

Fancy Drill.....Each, \$2 00
Plain " " 1 75





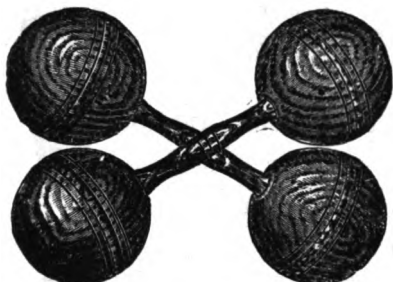
WOODEN EXERCISING RINGS.

Made of three thicknesses of black walnut and maple glued together, with grain of wood crossing. Very strong. 5 inches diameter. Per pair.....	50c.
Made from one piece of solid maple, good quality. 5 inches diameter. Per pair....	85c.

WANDS.



Made from straight grained walnut, fine finish, 5 feet long, or less.....	per doz.,	\$2 50
“ “ “ “ maple, mahogany finish. 5 feet long, or less... “	“	1 50



DUMB BELLS.

MAPLE WOODEN DUMB BELLS.

We manufacture a superior line of Wooden Dumb Bells, of polished maple, especially adapted for ladies' and children's use. We supply seminaries, kindergartens, ladies' gymnasium and calisthenic clubs, at special prices for large orders.

PRICE LIST.

Weight, each,	<u>1/8 lb.</u>	<u>1 lb.</u>	<u>2 lbs.</u>	<u>3 lbs.</u>
Price, per pair,	25c.	30c.	35c.	40c.

IRON DUMB BELLS.

All sizes, from 1 to 20 lbs	per lb.	5c
" " 20 to 100 lbs.....	"	4c



Plain Cast Iron Dumb Bells, handle covered with leather or chamois, one to six pounds each, 50 cents per pair, extra; seven to twelve pounds, each, 75 cents per pair, extra.

NICKEL PLATED IRON DUMB BELLS.

Made from pure grey Iron and then polished very smooth, so as to be free from all blotches, &c., then very heavily nickel plated. As well as useful, they are very ornamental.

1 lb. each,	2 lbs. each.	3 lbs. each,	4 lbs. each,	5 lbs. each.
\$1 00 pair.	\$1 50 pair.	\$1 75 pair.	\$2 00 pair.	\$2 25 pair.
6 lbs. each,	7 lbs. each,	8 lbs. each,	10 lbs. each,	12 lbs. each.
\$2 50 pair.	\$2 75 pair.	\$3 00 pair.	\$3 25 pair.	\$3 75 pair.

INDIAN CLUB SWINGING is clearly explained, from the principle of the whole art to each movement separately, illustrated in such a manner as not to confuse the beginner, but to enable him to combine each and all the movements as they are mastered. Mailed to any address on receipt of price, 25 cents.

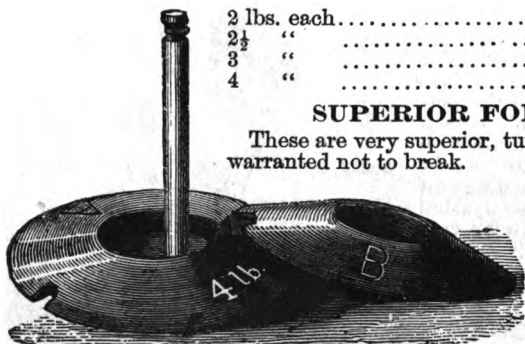
THE DUMB BELL exercise is illustrated by ten outline figures of the best movements known to gymnasts, some of which are published for the first time. These have been carefully selected to allow the equal development of all the muscles of the body. Mailed to any address on receipt of price, 25 cents.

MODEL JAPANNED IRON QUILTS.

2 lbs. each.....	per set of 4 Quoits, \$0	40
2½ ".....		50
3 ".....		60
4 ".....		80

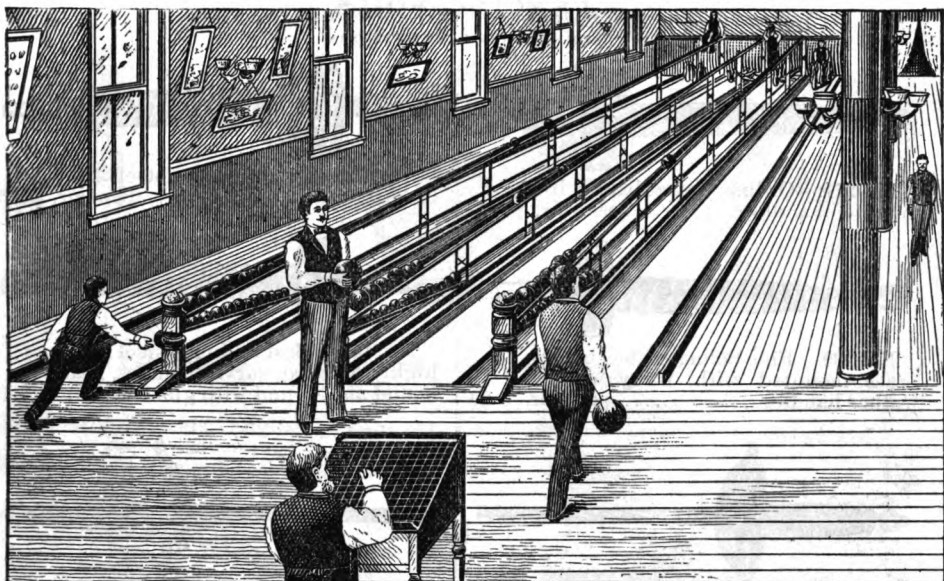
SUPERIOR FORGED STEEL QUILTS.

These are very superior, turned true, and made to proper weights, warranted not to break.



			Polished.	Nickel Plated.
2½ lbs. each per set	4 Quoits,	\$3 00	\$4 00	
3 " " "	" "	3 25	4 25	
3½ " " "	" "	3 50	4 50	
4 " " "	" "	4 00	5 00	

**Wrought Iron Pins for the above,
per pair, 50c.**



TEN-PIN ALLEY FITTINGS.

The balls of our manufacture are of the best lignum vitæ. Pins of maple. The complement of Balls furnished by us for two Alleys consists of four each, 8, 8, 7 and 7 inch; and two each, 6, 6, 5 and 4½ inch, together with two sets of pins. When boxed, ready for shipment, will weigh about 400 pounds.

9 inch Ball.	Each	\$5.00
Regulation Ball.	27 inch circumference. Each	4.50
3/4 inch Ball.	Each	4.00
7 1/2	" "	3.75
7	" "	3.50
6 1/2	" "	3.25
6	" "	2.50
5 1/2	" "	2.25
5	" "	1.88
4 1/2	" "	1.50
4	" "	1.25
3 1/2	" "	1.00

Ten Pins. Per set.....	4.00
Foot Chalk. Per Box.....	1.00
Sponges. Per Piece.....	\$0.75 to
Swing Cushions. Each.....	7.50
Rubber for Newels. Each.....	\$0.75 to
Blackboards. Each.....	1.00
Mahogany framed Slates, for top of Newel. Each.....	8.00
Extra large Slates, no frame. Each.....	8.00
Brass Sponge Cups, nickel-plated. Each.....	4.50
Extra Tin Sponge Cups, nickel-plated. Each.....	1.50
Sponge Cups, for top of Newel, br. lined. Each.....	\$3.50
Spots. Per set.....	1.50

REGULATION TEN PIN BALL BAG.

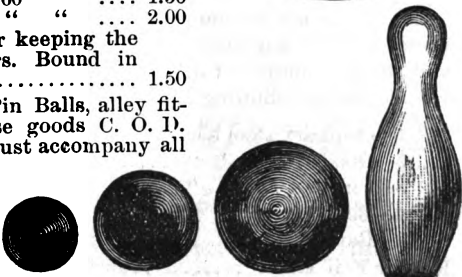
Made of Heavy Brown Canvas, Leather Trimmings and Handles. Members of Bowling Clubs will find this a very handy bag for carrying the Ten Pin Ball, and more especially when visiting other Clubs or travelling on Tournaments, can be checked with ball and sent by express.

Price by mail, each.....\$1.25
With 6 Tumbler Nickel Plated Lock..... 1.75

BOWLING SCORE BOOKS, WITH REVISED RULES.

No. 1.	Bound in Board, size, 5 x 9 inches,	30 games.....	\$.75
" 2.	" Cloth " " " "	60 "	1.50
" 3.	" " " " " "	" "	2.00
" 4.	Ebbett's Improved Record Book for keeping the record and averages of all Players. Bound in Cloth.....		1.50

Owing to the bulk and weight of Ten Pin Balls, alley fittings, etc., we are averse to sending these goods C. O. D. Draft or money orders for amount of bill must accompany all out-of-town orders. Goods will then be sent by Freight or Express as desired, thereby saving our Patrons return charges. When ordering Ten Pin Balls, state WITH or WITHOUT finger holes. Estimates for building alleys furnished on application.



FENCING FOILS.

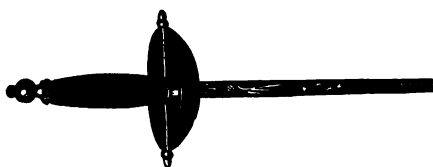
OF OUR OWN IMPORTATION.



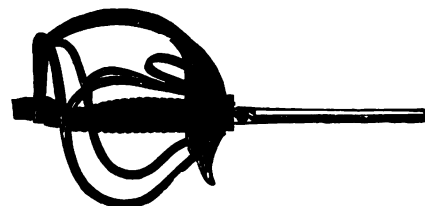
No. 271.—Ordinary steel blades, iron mounted handles.....per pair, \$1 50



No. 139.—Fine Solingen steel blades, brass mounted with fancy colored leather handles.....per pair, 2 50



No. 250.—Fencing Foils, of the best Solingen blades, highly finished, and curved handle, wound with cord, bell guards.....per pair, 3 50



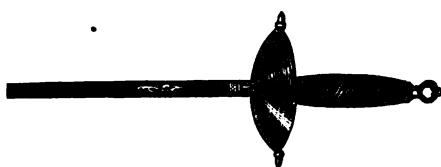
Fine Haute Rapier.....per pair, 6 00



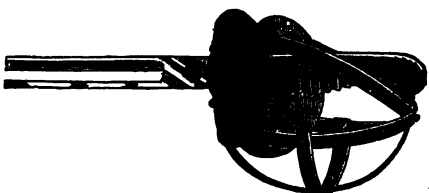
No. 272.—Good Solingen steel blades, brass mounted.....per pair, \$2 00



No. 141.—Best Solingen steel blades, highly finished, curved handles, neatly bound and wound with gilt cord..... 3 00



No. 233.—Fencing Foils, of the finest Solingen blades highly finished with large bell shaped Guards, and curved leather covered handles.....per pair, 4 50



Fine Imported Combat Sword..per pair, 5 00

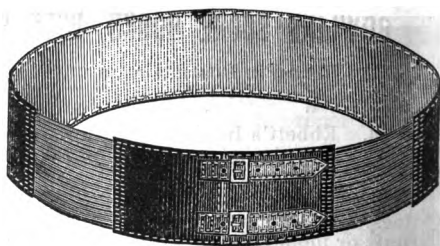
WILLOW BASKET FENCING STICKS.

No. 434.—Cane Wicker Basket Hilts, with sticks.....per pair, \$1.00

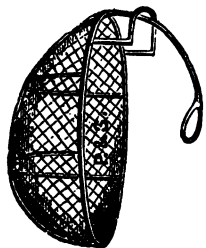
FOIL BLADES.

As we do not guarantee Foils against breaking there is a large demand for blades, and we have imported a large stock which we offer at the following low prices:

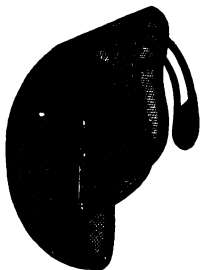
No. 1—Ordinary steel blade.....each,	\$0 50
2—Good “ “	75
3—Fine “ “	1 00
4—Best “ “	1 50
5—Rapier Blades.....	1 50
Rubber Foil Tips.....	05

**BELTS.**

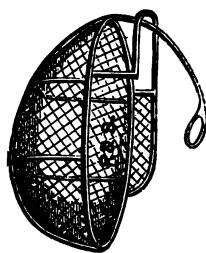
Imported Fencing Belts made of Red Leather, three inches wide, Fancy Stitched, Kid Lined; Gives Strength and Staying Power. Price each by mail, \$2 50

FENCING MASKS.

No. 1.

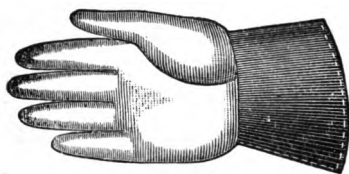


No. 3.



No. 2

No.		Per Pair.
1.	Wire Fencing Masks, plain, French pattern. (See cut).	\$3 00
2.	" " " with ear protectors. (See cut)	2 50
3	" " " and head protectors. (See cut)	3 00
509.	Wire Helmets, English pattern and make, for Combat or Broad Sword and Rapier exercise	10 00
510.	Cane Helmets, English pattern and make, for stick practice, etc.	6 00

**FENCING GLOVES.**

Fencing Gauntlet Glove, padded Each. Per Pair, \$1 50 \$2 00

**PLASTROONS.**

Plastroons for Protection of the Chest when Fencing, made of Fine Chamois Skins, and full Padded.... per Pair, \$3 50

**SLIPPERS.**

Fencing Slippers made of Tan Colored Leather, Fancy Trimmed, and Bound. With Rough Leather Soles to prevent Slipping, per pair, \$2.50.

**Dancing Clog, Song & Dance Shoes and Rattles.**

Red, Black or Blue Morocco Clogs, fancy stitched wood soles, all in one piece. Per pair. \$2.25.

Brass Jingles, plain round. with holes and screws. Per set of four, 25 cents.

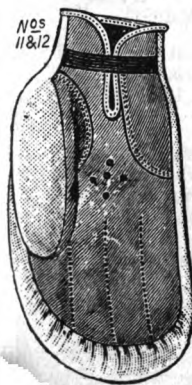
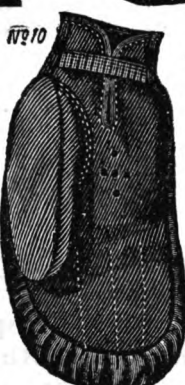
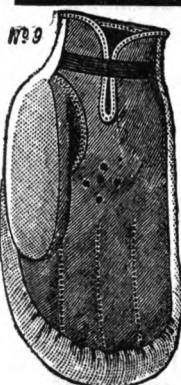
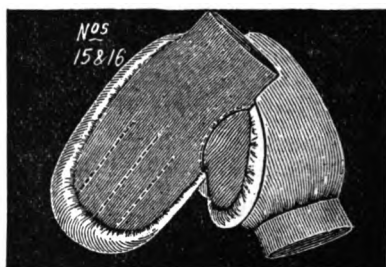
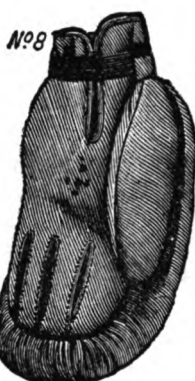
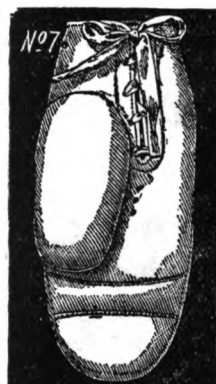
Song and Dance Shoes. 14, 16, 18 and 20 inches long. Per pair, \$4.50.

The Modern Fencer (new) with the most recent means of attack and defense when engaged with an adversary, and figures showing the various positions of the body. 21 full-page illustrations, by a Professor of Fencing, Gymnastics, etc., for the London schools and colleges. Price 50 cents.

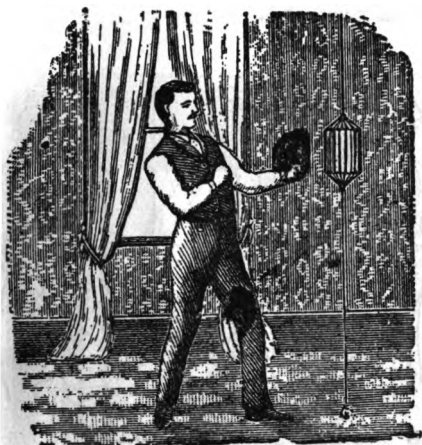
Sword Exercises. Indian Clubs and Dumb-Bell, Boxing, etc., 250 Illustrations, 118 pages. By Professor George H. Benedict. Price 50 cents.

Fencing, Broadsword and Archery, board covers, 34 illustrations, 91 pages. By Stonehenge and the Rev. J. G. Wood, of London. Price 25 cents.

BOXING GLOVES.



- | No. | Price per Set. |
|--|----------------|
| 1. 7 oz. Instructors' Safety Glove , with Graham Patent Finger Protector and Bennett New Heel Pad, which gives absolute protection and makes it practically impossible for sparrers to get hurt. Elastic front, made from finest California Tanned Kid. Stuffed with best quality hair. A large and safe glove. | \$7.50 |
| 2. 7 oz. California Sparring Glove , with Graham Patent Safety Grip and Finger Protector. Lace front, made from fine dogskin. Stuffed with best quality hair. | 7.00 |
| 3. Same as No. 2, but made of White Kid, with Rubber Wrist Bands. | 7.00 |
| 4. 5 oz. California Exhibition Glove , with Graham Patent Safety Grip. Lace front, made from fine dogskin, stuffed with best quality hair. | 6.50 |
| 5. Same as No. 4, except made from fine White Kid. | 6.50 |
| 6. 6 oz. Professional White Kid Glove , same style as used by Chandler, Sullivan and other well-known boxers, a perfect glove for expert boxers. | 6.00 |
| 7. 2 oz. Regulation Hard Fighting Glove , otherwise as No. 4. | 5.50 |
| 8. 7 oz. Fine White Kid, large size , fully stuffed; a soft light glove for amateurs, ventilated palm. | 5.00 |
| 9. 7 oz. " London Prize ," a superior Glove, kid back, tan palm, the most durable and best glove made for the price. | 4.50 |
| 10. 9 oz. all Buckskin Glove , made of fine quality buck, very soft, large, and nice for Amateurs. | 4.00 |
| 11. All Kid , made after the new pattern, as shown in cut. | 3.50 |
| 12. Kid back, tan palms ; same style as No. 11. | 3.00 |
| 13. Men's size Boxing Gloves , chamois back, with tan palm; durable. | 2.50 |
| 14. Same as No. 13, but cheaper quality. | 2.00 |
| 15. Men's Size Boxing Gloves , chamois back, with tan palms. | 1.50 |
| 16. Boys' Size , same as No. 15. | 1.00 |
- The Art of Attack and Defence.** A practical Manual of Fencing, Sword Exercise, Bayonet practice and Boxing, affording thorough instructions in the modern method of Fencing, the mode of attack with sword against sword or bayonet, and with bayonet against sword or bayonet, with the latest developments in the pugilistic art. By Major W.J. Elliott. Profusely illustrated. 25 cts.
- Ned Donnelly's Art of Boxing.** A thorough Manual of Sparring and Self-Defence, illustrated with Forty Engravings, showing the various Blows, Stops, and Guards; by Ned Donnelly, Professor of Boxing to the London Athletic Club, etc. 127 pages. Price. 25 cts.
- Billy Edwards' Art of Boxing and Training.** The most complete illustrated work on the subject ever published. Board cover, 50c., Cloth cover, 75c.
- Benedict's Manual of Boxing, Indian Club Swinging, and Manly Sports.** The most practical instruction book ever published; contains over 250 illustrations on Boxing, Wrestling, Fencing, Club Swinging, Dumb Bell and Gymnastic exercises, Athletic sports, Swimming, etc. Price. 25 cts.



In position for exercise.

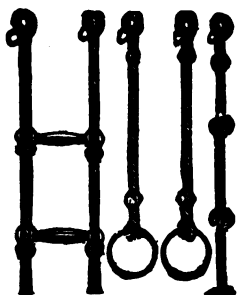


Triangular Striking Air-Bag contest.

THE NEW PATENT IMPROVED STRIKING BAG.

Fastened to Floor and Ceiling. For Physical Culture.

These bags are intended to strengthen the arms, wrists, shoulders, back, loins, and particularly the muscles of the abdomen; will teach the striker how to deal a blow, and recover quickly and easily after the blow is delivered. They are of inestimable value to every one, especially those whose business require confinement. Prices, complete, No. 1, \$5.00; No. 2, extra strong, covered with leather, \$6.50.



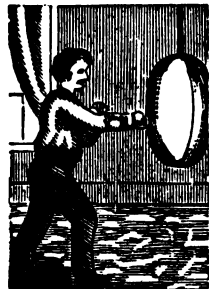
Gymnasium Ropes with Rings.

Rings of 6 inch Galvanized Iron.

PER PAIR.			PER PAIR.		
No. 1.	5 ft.	Ropes...\$2 00	No. 5.	9 ft.	Ropes..\$3 00
2.	6 ft.	" ... 2 25	6.	10 ft.	" .. 3 25
3.	7 ft.	" ... 2 50	7.	11 ft.	" .. 3 50
4.	8 ft.	" ... 2 75	8.	12 ft.	" ... 3 75

Rings covered with leather, 75 cents per pair extra.

The above sets are all complete, with Wrought Iron Galvanized Ceiling Hooks.



Knotted Rope, any length required, per running foot, 40c.

Rope Ladders, per foot, 60c.

Gymnasium Mattresses, of heavy Duck, with Leather Handles and corners, to order, size 6x5 feet, filled with Excelsior, \$7 00; unfilled, \$5 50

TRAPEZE BARS, COMPLETE WITH ROPES.

Made of the best Young Hickory, and finely finished.		PER SET.
No. 1.	2 1/4 ft. Bar. 5 ft. Ropes	\$2 00
2.	3 ft. " 6 ft. " "	2 25
3.	3 1/4 ft. " 7 ft. " "	2 50
4.	4 ft. " 8 ft. " "	2 75
5.	4 ft. " 9 ft. " "	3 00
6.	5 ft. " 10 ft. " "	3 25
7.	5 1/4 ft. " 11 ft. " "	3 50
8.	6 ft. " 12 ft. " "	3 75

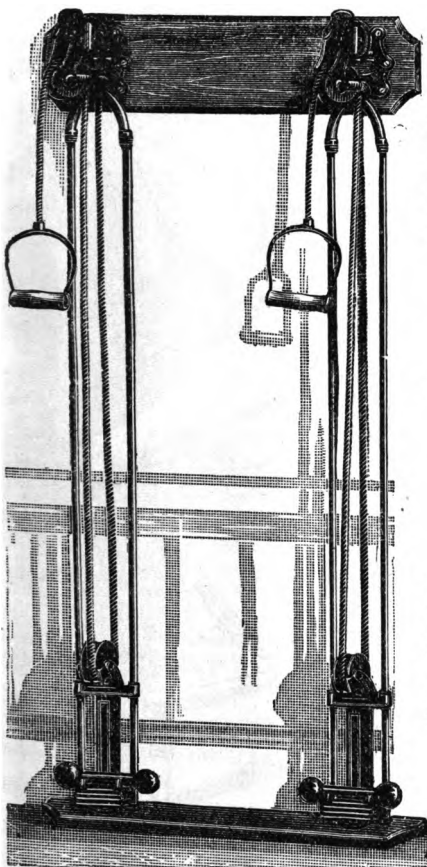
The New Sparring Bag for Professors and Amateurs.

Gymnasts all know that it is useless to enter into any contest where strength, skill, and quick action is necessary without a proper training of the arms, back and shoulders, there is no course of training that will develop the form for Sparring, Rowing, Tennis and other Athletic Sports as well as our lively Bag. It is used by Sullivan and other hard hitters of lesser note. The bag is of the best Foot Ball Leather with a Rubber Bladder inside for inflation, we make them either Round or Egg shape, with Galvanized ring in top for suspending. Samples, by Express, on receipt of price, \$4 00 Extra Large Size..... 5 00



STANDARD CHEST WEIGHT,

Patented Jan. 6, 1885, Aug. 14, 1885.



Standard Chest Weight No. 10.

STANDARD CHEST WEIGHT, No. 10.

Is provided with our patent compound rope weight, stand and swivel block, which allows not only twice the length of movement of the single rope machine, but allows movements in every direction. It is **absolutely noiseless**, requiring no grease or oil, while its lightness and elegance make it a most desirable home apparatus. It is provided with

- 2—2 lb. weights,
- 2—1 " " saddles for holding dumb-bells.
- 2—3 lb. dumb-bells.

Price complete.....\$10 00

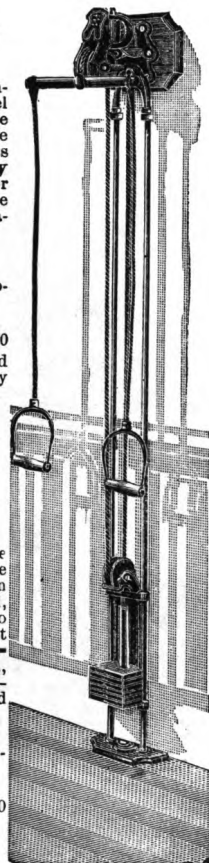
Exercises which can be obtained with no other apparatus are easily executed with the Standard No. 10.

Our Own Make, \$6.00.**STANDARD CHEST WEIGHT No. 11.**

This apparatus is intended for home use where a less expensive machine than the No. 10 is wanted. It is in every respect finished equally as well, but, as will be seen by reference to the illustration, has but one weight stand. It is provided with the **compound rope, swivel block, etc.**, and like the No. 10. It is also **positively noiseless**. It is provided with

- 2—2 lb. weights.
- 2—1 " " saddles for holding dumb-bells.
- 3—3 lb. dumb-bells.

Price complete.....\$6 00

Our Own Make, \$3.50.

Standard Chest Weight No. 11.

The chest or pulley weight has for many years been acknowledged the most important piece of apparatus for the development of the **FORM AND MUSCULAR SYSTEM** in use in the Gymnasium. But its use was almost wholly confined to such institutions. Within the past few years however, the great interest that has been awakened as to the importance of exercise for the maintenance of health, has led to its introduction into the home to an extent that is hardly realized.

The demand for a Chest Weight which would be practical for **HOME USE**, was for a time a matter of considerable trouble to us, principally because those which were made for gymnasiums were noisy in their operation, as well as clumsy in appearance. To overcome these objections, we commenced a series of extensive experiments which resulted in our finally producing an apparatus which so far surpassed our most sanguine expectations, that its success as a **HOME MACHINE** has been almost phenomenal, while many of the leading college and club gymnasiums have substituted them for the old style. It is therefore with considerable pleasure that we ask your consideration of a few of the

Special Features of the Standard Apparatus.

It has a compound or double rope which allows **TWICE THE USUAL MOVEMENT** of the handles, and makes the weight twice as quick in action.

It has our patent swivel block which allows movement in every direction.

It is **ABSOLUTELY NOISELESS** and requires no grease or oil.

Its lightness and elegance fit it for the home. Its strength and durability for the gymnasium.

The weight can be adjusted so that it may be used by a child or the most powerful athlete.

Exercises which can be obtained with no other apparatus are easily executed with the Standard.



Laffin's Parlor Rowing Apparatus.

Rowing is admitted by all authorities to be the most beneficial of exercise, because it calls into play every muscle in the body and gives to each one a full and equal share of work.

Those of either sex who lead a sedentary life suffer, with rare exceptions, from some form of dyspepsia, inaction of the liver, or constipation. These troubles can be permanently cured by proper exercise, while medicine affords only a temporary relief. In these diseases the exercise of rowing is especially beneficial, for in taking a stroke the body is first doubled up and then stretched out, producing a movement of all the internal organs, invigorating and strengthening them, and soon results in a radical cure.

Another trouble that men and women suffer from, is weakness in the small of the back, making them round shouldered, ungraceful in their carriage, cramping the chest and lung room and causing them to sit with a bowed back. Rowing is for this an absolute specific, for, as the muscles of the back and abdomen become strengthened (and it is surprising how quickly they gain strength), it is found to be much easier to sit or walk erect than bent over as formerly.

Determination of blood to the head, often caused by excessive brain labor, is promptly relieved by rowing, the effect of this exercise being to equalize the circulation.

If ladies would devote a small portion of each day to this exercise, they would soon secure that freshness of complexion and roundness of limb, so indicative of perfect digestion and circulation; and "nervousness" would be unknown except as a memory of the past.

I am now enabled to offer to my patrons and customers. "A Perfect Parlor Rowing Apparatus." After spending thousands of dollars, and years of experiments, with the combined help of the best mechanical engineering talent, I have produced a perfect and simple device which will not break or get out of order, as has been the trouble in my former and all other apparatuses. In my improved machines there are no springs, as the pressure is regulated exclusively by friction and can be varied by an adjusting screw by the will of the operator. The clutching and gripping device is simple and positive in its movements, to which the oar is attached, and allows the operators to rest their hands upon the oars and feathering same when coming back, in the same manner as ordinary rowing. As each oar is provided with an independent friction the operator can let either oar rest and apply both hands to one oar and pick up the other at any time again. And I have so arranged the machine, that by changing the out-rigger and oars about on the frame, the pushing of the oars may be practiced similar to the style of the Norwegian sailor which is the best exercise for developing the muscles of the back and stomach. To insure the confidence I have in my machine, I will warrant it.

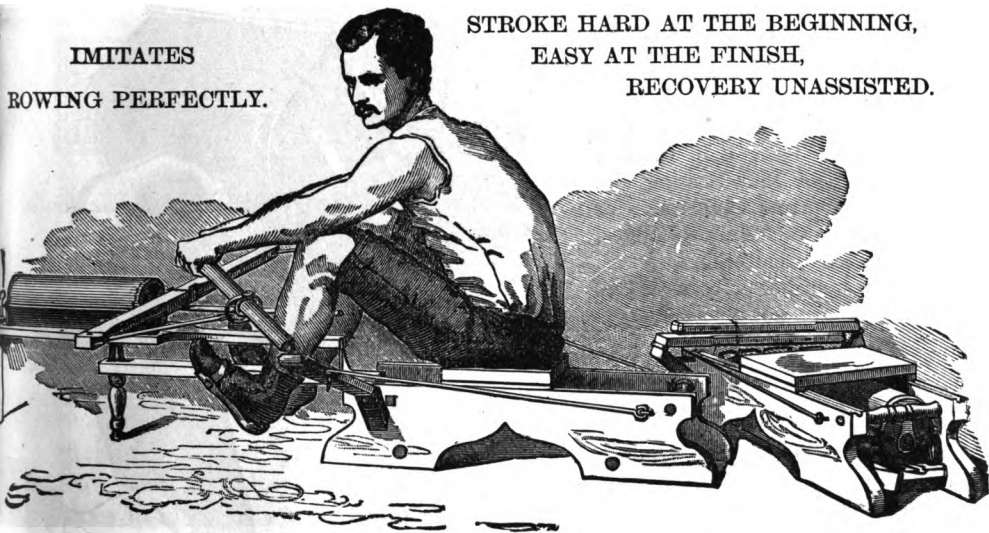
Each machine is provided with a counter or indicator, which is so graduated that one revolution of the dial is equivalent to one hundred strokes, or one-third of a mile as calculated from Hanlan's time at thirty-two strokes per minute, which will be found of great benefit in regulating the time spent in this exercise, especially in boating clubs, training schools and gymnasiums, where racing can be done at seasons when it cannot be tried on the water.

Price, \$11.00 each.

THE PNEUMATIC PARLOR ROWING MACHINE.

IMITATES
ROWING PERFECTLY.

STROKE HARD AT THE BEGINNING,
EASY AT THE FINISH,
RECOVERY UNASSISTED.

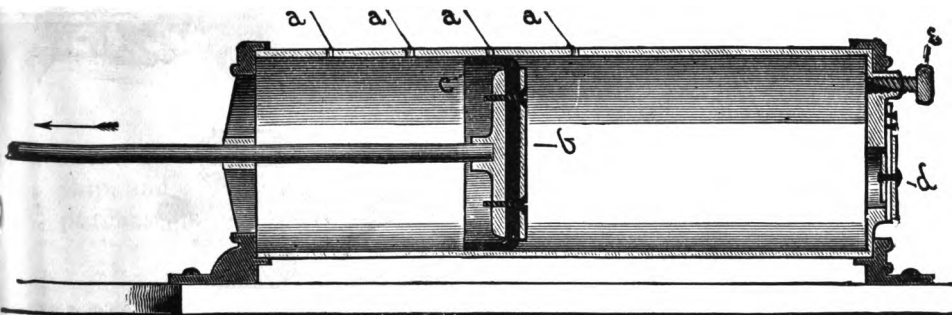


MACHINE FOLDED.

DESCRIPTION.

A cylinder made of brass, having a closed end and a highly polished interior, is placed in front of the oarsman, as shown in the illustration. The piston rod of the cylinder is connected with the short oars by means of a whiffletree and connecting rods.

The act of taking a stroke draws the piston away from the closed end of the cylinder, produces a vacuum, and the pressure of the atmosphere upon the piston simulates the resistance that is afforded by the water in rowing a boat. The cylinder (a sectional view of which is shown below), is provided with a series of small holes commencing about half way from the closed end, which allow the atmosphere to enter, and as the piston is drawn past them gradually relieve the vacuum. Hence the stroke is hard at the beginning, when the vacuum is perfect, and gradually becomes easier as those holes are passed. The air thus accumulated in the cylinder, finds free exit through a large opening in the closed end, as it is pushed before the piston in the "recovery." This opening is closed by a valve automatically upon the commencement of a new stroke. There is, therefore, neither assistance nor resistance to recovery. The oars turn so as to allow of feathering. Adjustable to any strength.



SECTIONAL VIEW OF THE CYLINDER.

a a a a.—Holes in the cylinder for the admission of air. As the piston is drawn past them, the vacuum is relieved.

b.—The piston.

c.—Leather cup or packing of the piston.

d.—Valve covering the large opening in the closed end of the cylinder. This valve closes automatically upon the commencement of a stroke and opens to allow free exit for the air accumulated in the cylinder as the piston is pushed back in the recovery.

e.—Screw filed away on one side, by unscrewing which a small or large opening is made, as described.

The machine will be sent to any part of the world on receipt of the price. In remitting send check on this city, postal money order, or by registered letter.

PRICE OF PARLOR MACHINE, \$19.00.

NEW YORK, OCTOBER 28th, 1888.

DEAR SIR:—I have one of your PNEUMATIC PARLOR ROWING MACHINES, and find it the most perfect rowing machine I have ever tried. The motion is exactly like that of an oar, and the use of the machine will develop the same muscles that are called into play in rowing, and to the same extent. It is an excellent substitute for the water, and I gladly recommend it to professional and amateur oarsmen, and others. Hoping you will meet with the success you deserve,

I remain, yours truly,

EDWARD HANLAN, (Champion Oarsman of the World.)

Greeting.

IN opening our new Bicycle Department, we have a brief introduction to offer.

We have been serving the public for the past eighteen years, in the capacity of Sportsmen's and Athletic Supplies, and it needs no word of ours to assure those with whom we have sustained business-relations that in our new department every effort will be made to deserve the confidence of our customers, and that we shall offer no goods for sale which we cannot conscientiously recommend to the favor of the purchasers.

We are pleased to be able to come onto the bicycle market with so complete and excellent a line as we have to offer. We carefully looked over the entire field before concluding arrangements for our wheels and cycle sundries, and are satisfied that we not only have the best made to-day but that in some respects they are without competitors. We can not only warrant them to be "as good as" any others of the same grade, but can point to features which they alone possess, which will more than outweigh any prejudices in favor of wheels more widely known.

We are glad, too, that they are all *new* wheels, not only in being newly before the public, but essentially modern in every particular. The makers have no antiquated pet hobbies to cling to, and no position established as advocates of any style which they are thus obliged to follow, but their desire is and has been to incorporate in their machines all that has been proven to be the best, with advanced principles of construction suggested to them in former experience, and the result cannot be equalled. Their aim is to produce the best, ours to sell their product in the best way; and to the end that you may know the goods and the way may be opened for negotiations, we respectfully solicit your favorable consideration of the facts set forth in the following pages.

GUARANTEE.

We warrant our Cycles against imperfections in material and workmanship, and agree to make good, at any time within one year from date of purchase, any defect not caused by use, misuse or neglect.

INSTRUCTIONS.

Terms, net cash with order, unless bought on the easy payment plan. Orders received from towns where we have resident agents will be referred back to them for attention. Freight and express charges must be paid by purchaser. We make no charge for boxing and cartage on complete wheels. In ordering, state just how goods are to be shipped.

We cannot guarantee safe arrival of goods. Our responsibility ceases when articles are delivered to carriers. Consignees should carefully examine goods before receipting for them, and if damaged in any way, claims should be entered with the carriers, and not with us.

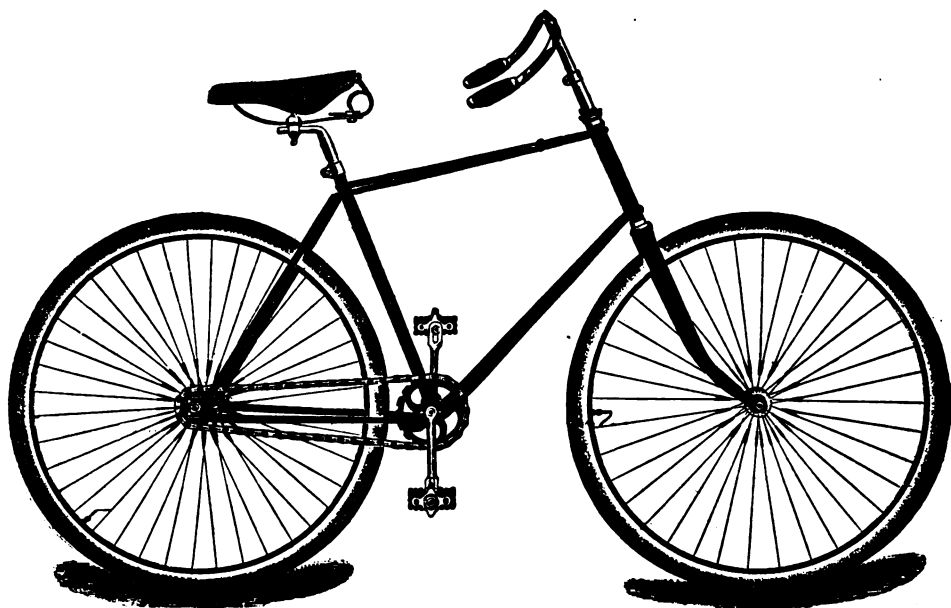
Freight on returned goods must be prepaid.

Correspondence in regard to agencies and purchase of cycles should be addressed to us.

SPECIAL TERMS TO AGENTS.

DERBY BICYCLES.

Models A and B.



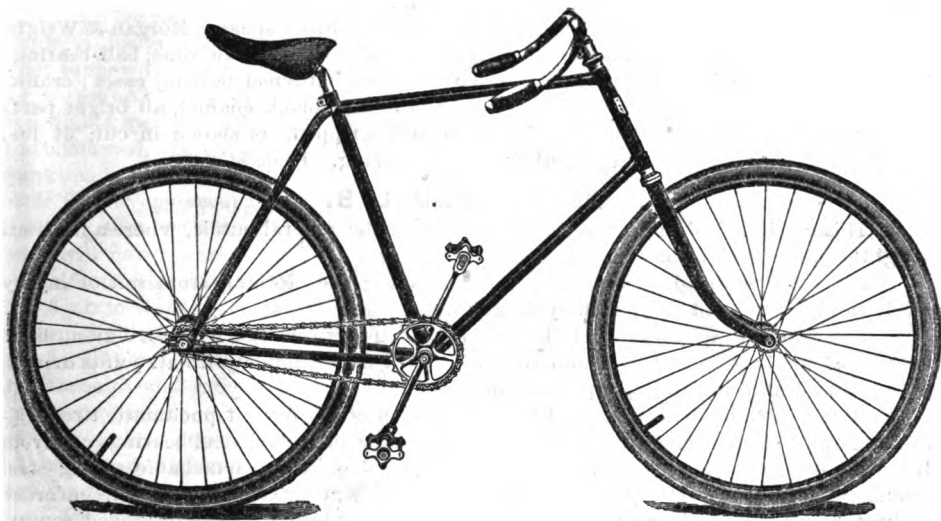
DERBY MODEL "A." Weight 34 lbs. Price \$150.00.



DERBY MODEL "B." Weight 36 lbs. Price \$150.00.

DERBY BICYCLES.

Models C and D.



DERBY MODEL "C." Weight 30 lbs. Price \$150.00.



DERBY MODEL "D." Weight 35 lbs. Price \$150.00.

DERBY MODEL A.

This machine was brought out last year as an entirely new model, and proved to be a universal favorite with all who used it.

It has the quadruple reach or double diamond frame throughout; the tubing which forms the frame encircles the head, making a very strong construction. In other respects it is practically the same as models B and C.

BRIEF. 30-inch wheels geared to 57-inch; Derby direct spokes; Morgan & Wright pneumatic tires, 2 inch rear and $1\frac{3}{4}$ inch front, on Warwick hollow rims; ball bearings throughout, fitted with dust-proof caps and removable hardened bearing cases; cranks $6\frac{1}{4}$ and 7-inch throw; 44-inch wheel base; finished in best black enamel, all bright parts nickel-plated on copper plating. Weight, 39 lbs; stripped, as shown in cut, 34 lbs. To order, without extra charge, 60, 64 or 68-inch gearing. Price \$150.00.

DERBY MODEL B.

This machine is designed to meet the wants of the general public, where a medium weight cycle is used for business purposes, etc.

It is fitted with adequate guards for protecting the clothing from soil or injury while riding, when not clothed in cycle attire.

The frame is of the very light and strong quadruple reach construction, built entirely of the best forged steel and weldless spiral fibre tubing, with all joints driven, pinned and brazed in the most approved manner.

BRIEF. 28-inch wheels geared to 60-inch; Morgan & Wright pneumatic tires; $1\frac{1}{8}$ -inch rear and $1\frac{3}{4}$ -inch front; removable hardened and ground tool steel bearings cut from the solid bar; specially gauged, hardened and lap steel balls; detachable spring steel cranks, with improved Derby fastenings, $6\frac{3}{4}$ -inch throw; tubular handle bar, re-enforced and fitted with best cork or rubber grips; direct plunger brake; Derby improved removable dust cap pedals. Guards, lamp bracket and coasters removable, and of the latest improved pattern. Tool bag, drop-forged wrench, spring top oiler, screw driver and pump. Finished in best black enamel, all bright parts nickel-plated on heavy copper plating. Weight 36 lbs. Price \$150.00. Fitted with Palmer self-healing pneumatic tires, Price \$160.00.

DERBY MODEL C.

To meet the demand for a light-weight machine of great durability, as required by the more advanced rider, where guards and break are superfluous attachments, we bring out this machine as being practically the same in construction and line as our Model B, deprived of every ounce of unnecessary metal, but retaining the great strength of construction.

BRIEF. Wheels same as Model B, geared to 68 inches, fitted with Morgan & Wright $1\frac{3}{8}$ -inch pneumatic tires; Derby improved removable dust cap rat-trap pedals; finished in any color enamel, with bright parts nickel-plated on heavy copper plating. Weight, 30 lbs. Price \$150.00. Fitted with Palmer self-healing tires, price \$160.00.

DERBY MODEL D.

For the benefit of the ladies we produce this graceful, light, easy running machine, constructed with a view to obtaining the greatest strength possible, and at the same time produce a practical light-weight machine that will give entire satisfaction among lady riders.

The frame is of the usual loop form, improved by application of the same principle that makes our gents' diamond frame of such a strong construction. See cut on page 35. The fittings and parts are all interchangeable with our Models B and C.

Effective guards for protecting the clothing from soil or injury have been made a special feature on this machine, and we think they will meet with the greatest approval.

BRIEF. 28-inch wheels geared to 53 inches, and fitted with Morgan & Wright special ladies' pneumatic tire, removable hardened and ground tool steel bearings, specially gauged, hardened and lapped steel balls; detachable spring steel cranks with Derby improved fastening; lamp bracket and coasters removable, and of our latest improved pattern; tool bag; drop forged wrench; screw driver, spring top oiler and pump. Finished in best black enamel, all bright parts nickel-plated on heavy copper plating. Weight 35 lbs. Price \$150 00. Fitted with Palmer self healing pneumatic tires, price \$160.00.

Our Cranks and crank shaft as now made far excel every thing in material, workmanship and construction.

The best spring steel is used in both, and make the strongest possible outfit for the weight.

As will be seen in cut, where crank is made transparent, in order to show the mode of fastening, we use no key, but fit our crank on a slight taper with side of crank shaft flattened, and the hole in the crank made in the form of a letter D, thereby securing a fastening that we can guarantee will never work loose.

Our front hub illustration shows our mode of constructing removable bearing cases of tool steel hardened through and through and ground to a perfect gauge.

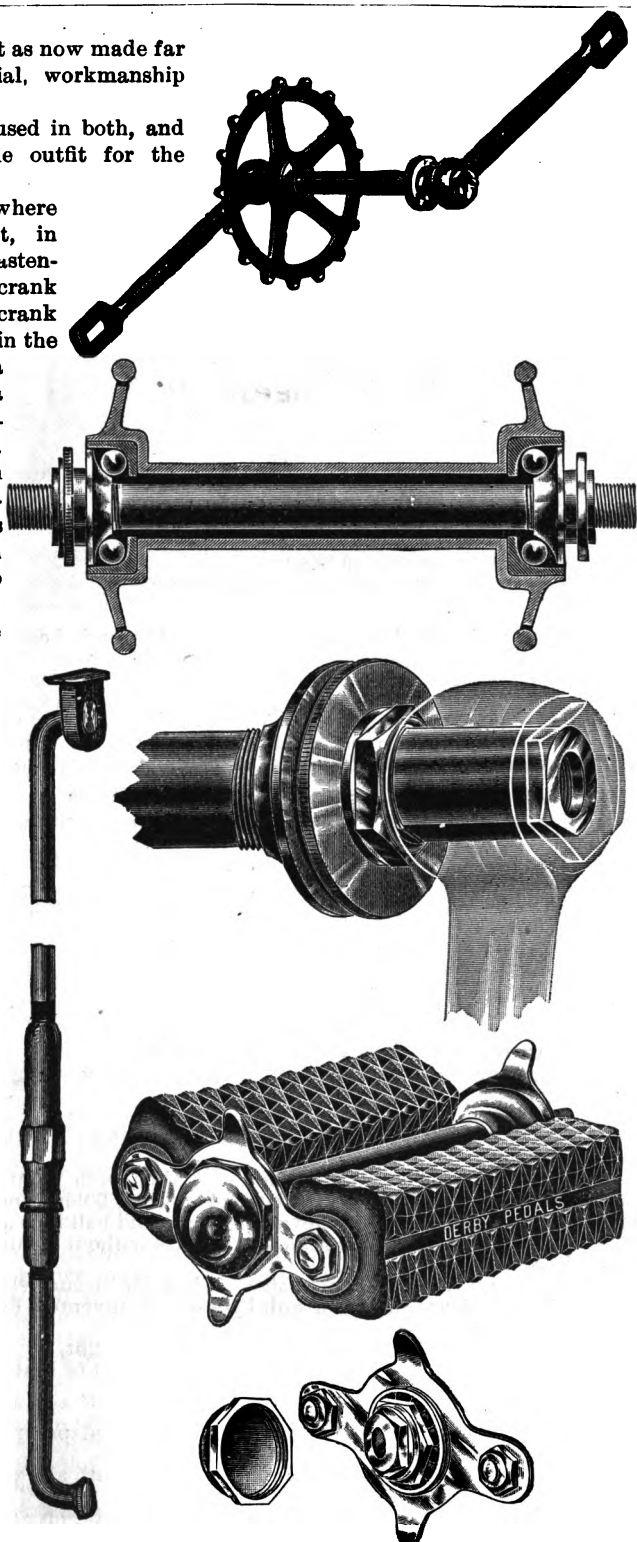
Derby pedals prove to be the strongest, lightest and best made, and certainly merit the praise they have received wherever they have been used. A very good idea of the construction can be obtained from our illustrations, one of which shows the improved dust cap removed to oil the bearings, which when replaced forms a perfectly oil-tight compartment.

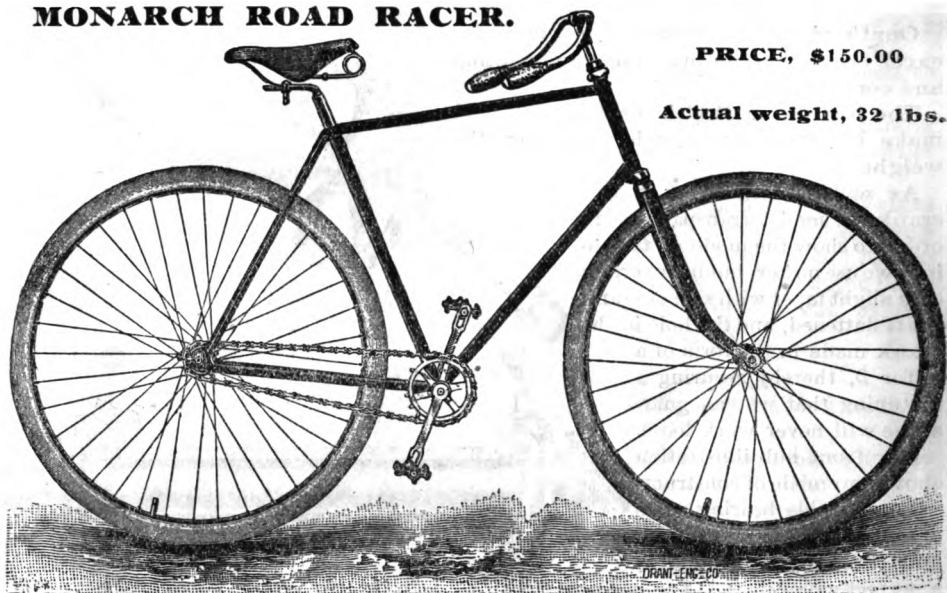
Rat-trap plates are made interchangeable with rubbers, and we will furnish either, as may be desired. If both are wanted, charges will be \$2 00 extra.

SPOKES. The accompanying cut shows in detail our patent spoke, from which we make the strongest direct-spoke wheel manufactured.

By our simple arrangement the spokes can be removed or replaced in a moment's time BY ANYONE without removing any portion of the tire, the advantage of which will be apparent to every rider. They are furnished only in our Model "A."

Wheels for Models "B," "C" and "D" are made up with tangent spokes.



MONARCH ROAD RACER.**PRICE, \$150.00****Actual weight, 32 lbs.**

We feel justified in asserting that our Monarch Road Racer is one of the finest productions of its kind ever offered to the cycling public. The material from which this machine is constructed is absolutely the best that can be obtained, while the workmanship is a feature of which we are justly proud. Its lines are of the latest and most approved design embodying great strength and beauty, and its running qualities are unsurpassed. We especially recommend this machine for experienced, medium weight and speedy riders. The weight of machine complete is 32 pounds.

SPECIFICATIONS.

Finest imported steel tubing and steel forgings throughout not a single casting in the entire machine.

WHEELS—30 inch front and rear.

GEAR—64 inches.

FRAME—Finest quality of steel tube. Regular straight diamond.

WHEEL BASE—44 inches.

HEAD—Ball bearing, 9 inches.

SPOKES—Tangent double butted ends, tied and nickel plated at the centre.

CRANKS—Detachable, round steel, $6\frac{1}{2}$ inch throw.

CRANK AXLE—Forged steel.

FRONT FORK—Seamless tubular steel, curved with special designed crown

SEAT POST—Hollow, with $\frac{5}{8}$ inch solid top.

HANDLE BAR—Tubular steel, $\frac{7}{8}$ inch, 25 inches long. Adjustable. Hollow post. Cork handles.

LAMP BRACKET—Steel, adjustable.

CHAIN—Finest quality, $\frac{3}{8}$ inch Humber pattern. Nickel plated and adjustable by patented device.

BEARINGS—All ball, of the finest quality, both front and rear wheels and crank shaft bearings being fitted with Binns' patent ball holder and dust protector, used exclusively on Monarchs. By this device the balls and ball race are kept free from dust and retain the oil, permitting the removal of cones without disturbing the balls, a very convenient feature.

SPROCKET WHEEL—Forged steel adjustable accurately milled to fit chain. Securely fastened to crank axle and rear hub by a device invented by ourselves, which absolutely prevents loosening.

TIRES—Pneumatic, $1\frac{3}{4}$ inch, Morgan & Wright, or similarly constructed. Fully guaranteed by the makers, to whom all tires should be sent for repairs.

PEDALS—Finest quality of rat-trap.

SADDLES—Garford or similar high grade.

TOOL BAG—Finest russet leather, nickel plated pump, oil can, wrench and screw driver.

FINISH—Jet black enamel, highly finished, with all bright parts heavily nickeled on copper including sprocket wheel, fork ends and crown.

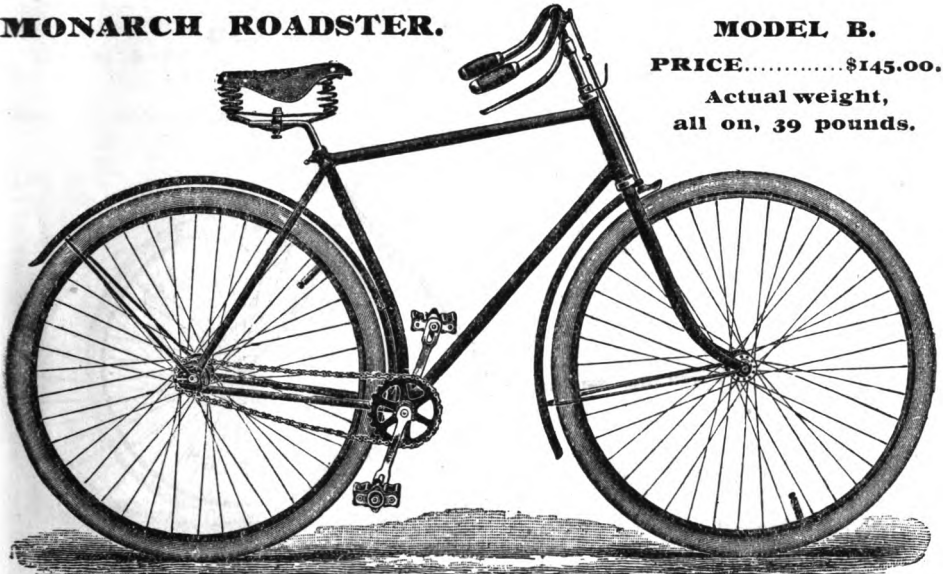
We will supply machines in any desired color, on special order. If 28 inch rear wheel is preferred we can supply machine with this size on special order.

MONARCH ROADSTER.

MODEL B.

PRICE.....\$145.00.

**Actual weight,
all on, 39 pounds.**



Our MODEL B MONARCH is distinctively an 1893 pattern although differing but slightly from our regular MONARCH of the past season the principal difference in the two patterns being in connection with the upright tube connecting the crank bearings with the upper horizontal tube at the seat post, which will be noticed at a glance by referring to the illustration.

We claim no particular preference for one style over the other as each machine embodies the same high standard mechanical ideas which predominates in connection with our entire line. Our MODEL B MONARCH is designed for regular all-around road riding for riders of all weights and under all conditions and is certainly one of the finest road wheels in the American market. Weight all on 39 pounds, stripping to 37 pounds.

SPECIFICATIONS.

Finest imported steel tubing and forgings throughout, not a single casting in the entire machine.

WHEELS—30 inch front and rear.

GEAR—57 inches.

FRAME—Finest quality of steel tube. Regular diamond.

WHEEL BASE—43 inches.

HEAD—Ball bearing, 8 inches.

SPOKES—Tangent, double butted ends, tied, and nickel plated at the center, 36 to rear wheel, 32 to front.

CRANKS—Forged steel, 6½ in. throw.

CRANK AXLE—Forged steel,

FRONT FORK—Seamless tubular steel, curved.

SEAT POST—Adjustable. solid steel.

HANDLE BAR—Adjustable 25 inches long, tubular steel ¾ inch. Cork handles.

MUD GUARD—Detachable.

BRAKE—Direct adjustable plunger.

LAMP BRACKET—Steel. Detachable.

CHAIN—Finest quality ¾ inch. Humber pattern. Nickel plated and adjustable by patented device.

BEARINGS—All ball, of the finest quality, both wheel and crank shaft bearings being fitted with Binns' patent ball holder and dust protector, used exclusively on Monarchs. By this device the balls and ball race are kept free from dust and retain the oil, permitting the removal of cones without disturbing the balls, a very convenient feature.

SPROCKET WHEEL—Forged steel, adjustable, accurately milled to fit chain. Securely fastened to crank axle and rear hub by a device invented by ourselves, which absolutely prevents loosening.

TIRES—Pneumatic, 1¾ inches Morgan & Wright, or similarly constructed. Fully guaranteed by the makers to whom all tires should be sent for repairs.

PEDALS—Finest quality of ball bearing rubber.

SADDLE—Garford or similar high grade.

TOOL BAG—Finest russet leather. Nickel plated pump, oil can, wrench and screw driver.

FINISH—Jet black enamel, highly finished, with all bright parts heavily nickeled on copper. We will supply wheels in any desired color, on special order.

THE RALEIGH.



"A" PATH RACER.

Guaranteed Weight, 26 lbs. all on.

Price with Pneumatic Tires, \$170.

This Machine is on the same lines as the ones we built for Mr. Zimmerman in May, and upon which he won every race with prizes worth \$8,800, including 73 firsts and made every record in the United States, England, Germany and Canada during 1892. We afterwards built him a reserve Machine much lighter, but in his opinion it was not so fast because naturally it was not so rigid as the 26 pounder.

The fastest time ever made without the aid of wind shields has been made upon this pattern and that too in competition, and therefore without any pacemakers, viz : Half Mile Handicap from Scratch in 1 m. 1½ secs., at Hartford, U. S. A., on September 6th, the last ¼ mile in 27 secs, which is at the rate of 33 miles 586 yards per hour. being

FASTER THAN ANY OTHER MACHINE HAS YET BEEN RIDDEN.

"C" ROAD RACER.

Weight, 32 lbs. all on.

Price with 1¾ or 1¾ x 2 Pneumatic Tires, \$160.

This pattern has been a remarkable success from the first we built, upon which Mr. S. MacAdam won the 50 miles road Championship of Ireland.

Its bearings are perfection, rigidity and durability marvellous. We sold more of this pattern than any other during 1892, and many of the letters of congratulation we have received state that it is the speediest and most durable of all road Machines.

RALEIGH "E" ROADSTER.

Weight, 36 lbs.

Price with Pneumatic Tires, \$160.

This pattern is fitted with our Patent, easily detachable, wire mudguards with rubber cloth covers, which latter can be removed by the rider in one minute and stowed in the satchel when the weather is fine, and in the event of a shower, they can be put on in a minute.

The advantages of the wire mudguards are their lightness, easy detachability, and the fact that when on in fine weather they offer scarcely any resistance to the wind, whilst the covers are always handy in the satchel should it rain. We guarantee them.

"RALEIGH" M ROADSTER.

Weight, 40 lbs. all on

Price with Pneumatic Tires, \$150.

This Wheel compares favorably with any other at the price in the market.



HUMBER ROAD RACING SAFETY.

"THE LIGHT HUMBERS STAND UP."

This machine, like the Roadster, is built on the same lines as the Beeston Safeties. It is an exceedingly fast mount of light weight, and will stand an immense amount of hard riding. A great many light wheels have been on the market last year, but very few except HUMBERS have stood up.

SPECIFICATION.

Driving wheel 28 inches, and steering wheel 30 inches; solid rims; ball bearings to all parts, including socket head and pedals; best weldless steel tube frame; $6\frac{1}{2}$ inch cranks; 64 inch gear; beautifully enameled black and highly nickel plated. Weight 34 lbs. all on.

Price, fitted with Greyhound Tires..... \$140.00

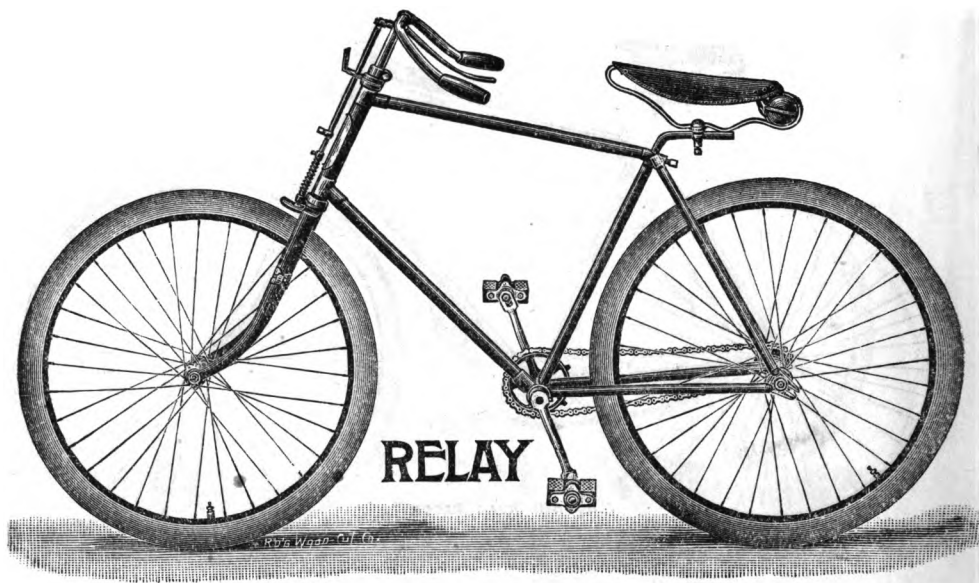
HUMBER ROADSTER SAFETY.

This is a new wheel of the latest model, on Beeston lines and with Beeston bearings. While not as fine as a Beeston wheel, it is superior to any other make and very fast.

SPECIFICATION.

Steering wheel 30 inches, driving wheel 28 inches; solid rims; ball bearing to all parts, including socket head and pedals; best weldless steel tube frame; $6\frac{1}{2}$ inch cranks, 60 inch gear; powerful spoon brake; beautifully enameled black and highly nickel plated. Weight, 38 lbs., all on.

Price, fitted with Greyhound Tires..... \$140.00



Price, with Morgan & Wright, or N. Y. Belting and Packing Co., Pneumatic tires, \$110.00. Weight, 40 pounds, all on.

THE "RELAY" embody all the latest ideas, which have been patented by us, and for strength, speed, light running and simplicity stand without a rival.

SPECIFICATIONS.

Frame of the best cold drawn seamless steel tubing, true diamond, and extended wheel base with 10" steering head.

FORKS—Steel tubing, oval section.

WHEELS—28 inches, both front and rear.

SPOKES—Tangent, 32 to front, 32 to back wheel.

RIMS—Carpenter cold rolled steel, with reinforced joint.

BEARINGS—Ball bearings all over, including head.

GEAR—56, or order.

BRAKE—Plunger, very simple and effective.

HANDLE BARS—Curved scorcher pattern, adjustable, with black rubber handles.

PEDALS—Curtis patent, dust proof.

FINISH—Handsome black enamel, bright parts heavily nickel plated on copper.

SADDLE—"RELAY," adjustable to any position, with tool bag, pump, wrench and oil can.

CHAIN—Humber pattern.

SPROCKETS—Drop forged and machine cut, made from our own special dies.

CRANKS—Round, special steel.

CONNECTIONS—All drop forgings.

JOINTS—Double lap brazed.

In reading the specifications, you will see no expense has been spared to make our wheels strictly High Grade, at a medium price. All that we claim for them, the best machines for your money that it is possible to build. We have embodied in the "RELAY" all the features so much desired, Strength, Simplicity, Lightness and Ease in running. We claim it to be the easiest running and best hill climber made.

Being governed by what we know to be the correct mechanical principles in designing and construction, we offer as a result the Best Wheel for the money in the market.



Price with Morgan & Wright, or N. Y. Belting and Packing Co.'s
Pneumatic tires, \$125.

Enameled Black, or Carmine.

Weight, 32 pounds.

THE RELAY ROAD RACER.

IT stands without an equal as a High Grade Light Road Machine—is speedy and light running.

Has perfect running qualities, the greatest care being taken in fitting all parts.

Is particularly light, **having strength where needed.**

Is made of the best material obtainable, by most skilled mechanics.

Is a model of beauty both as to outline and finish.

Is guaranteed against all defects in material, or workmanship.

Stands unrivaled both as to quality and price, and is recommended to experienced cyclists for fast riding. For beginners we recommend our regular \$110 RELAY.

GUARANTEE.

We warrant our Bicycles free from imperfections, and we undertake to make good at any time within one year any defects in them not caused by use, misuse, or neglect. If such are found, all defective parts must be sent us (Express charges prepaid) for examination, before any claims are allowed.



GALES SAFETY, MODEL 93.

CUSHION AND PNEUMATIC.

THE GALES MODEL '93 is a thoroughly good wheel, of best material, and we stand behind it in every particular. The forgings are of the best steel, and the tubing of the highest grade English make. There is not a part of malleable iron in the wheel. The chain adjustment is easy to manage, and cannot be gotten out of parallel.

SPECIFICATION.

WHEELS—30 inches front, 28 inches rear, direct spokes.

BEARINGS—Balls to all parts, including head and pedals.

FRAME—Of best weldless steel tubing, handle bar bent to most comfortable shape, cranks keyed on, gearings 56 inches, saddle and handle bars adjustable.

BRAKE—Powerful spoon to front wheel.

Finish—Beautifully enameled, bright parts highly nickel plated on copper, Rich & Sager, Fish or Garford Saddle, tool bag, wrench and oiler.

PRICE.

With 1¼ inch Cushion Tires, - - - - - \$85 00

With Greyhound Pneumatic Tires - - - - - 100 00



THE GOTHAM SAFETY NOS. 1 AND 2.

No. 1.—28 INCH FRONT, 28 INCH REAR.

No. 2.—26 INCH FRONT, 26 INCH REAR.

DESCRIPTION.

THIS is a high grade youth's machine. Full ball bearings to both wheels, steering head, crank shaft and pedals. Frame is of weldless steel tubing and drop forgings, firmly fitted and brazed. Hollow front forks and handle bars. The saddle is the Youth's Garford, is adjustable, and will be found very comfortable. The wheel is very strong and will stand any weight.

A very efficient plunger brake is fitted to front wheel. The finish is of the best quality, parts nickel plated and black enameled.

Each machine supplied with tool bag, wrench and oiler.

We confidently assure our customers that the Gotham line will stand up better and give better satisfaction than any other on the market.

PRICE.

No. 1 Pneumatic, \$70.00	No. 2 Pneumatic, \$52.50
No. 1 Cushion, - 60.00	No. 2 Cushion, - 45.00



GOTHAM SAFETY No. 4.

24 INCH WHEELS.

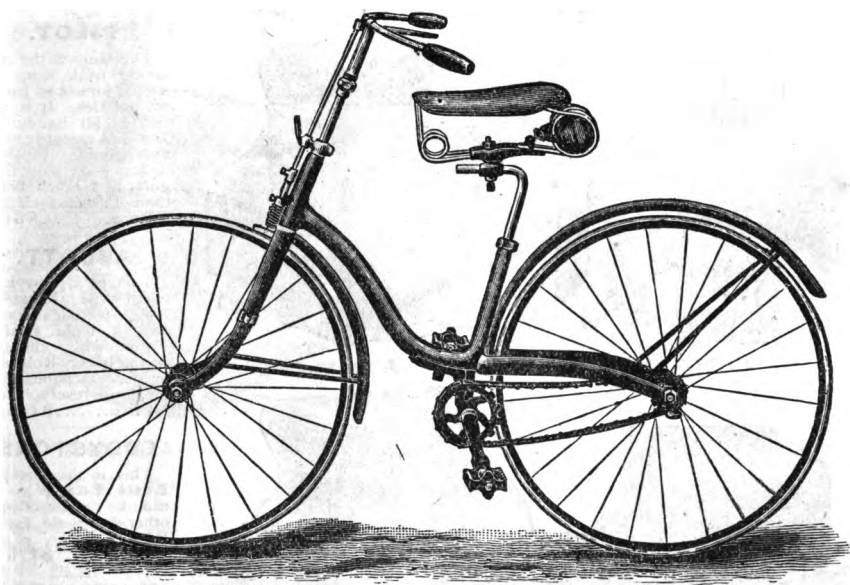
The Best Boys' Wheel on the Market Never Breaks Down.

DESCRIPTION.

THE front and rear wheels are 24 inches. Direct spokes, doubly butt-ended and nickel plated. Rear wheel drivers with chain gear, and has slotted fork-end adjustment, whereby the slack of the chain is readily taken up. Direct steering with sloping steering post, curved front fork and corrugated rubber coasters. Adjustable cone bearings to wheels and crank axle. Adjustable suspension saddle, with coil spring front and rear. Plunger brake and neat lamp bracket and mud guard to both wheels. The machine is finely enameled, with usual bright parts nickered on copper. Each machine is supplied with tool bag, wrench and oiler.

PRICE.

With 1 inch Cushion.....	\$30.00
With Solid Tires.....	25.00



DAISY SAFETY.

20 INCH WHEELS, TANGENT SPOKES.

IS SUITABLE FOR CHILDREN FROM SIX TO NINE YEARS OF AGE.

FINISHED IN BRIGHT ENAMEL, WITH FULL NICKEL-PLATED TRIMMINGS.

SPECIFICATION.

Adjustments.—As found in highest grade machines, and so simple that any child can set them.

Wheels.—With tangent spokes and cone bearings.

Brake.—Of strong plunger pattern, effective, adjustable and detachable; nicely finished in nickel plate.

Cranks.—Length, five inches, with three adjustments for pedals, which are of "rat-trap" pattern pivoted on steel nickel plated adjustable pins.

Crank Shaft.—Of steel and has large dust-proof bearing surface, with adjustment for tightening the chain, which is of the best malleable link, strung over true running sprockets; geared to 40 inches.

Frame.—Strong drop pattern of hollow seamless tubing, with parts well fitted.

Handle Bar.—Best drawn steel, large size, light and strong, nickel plated, with enamel handles cemented on; is adjusted to front fork by a jam-threaded collar; supplied with neat nickel plated lamp bracket.

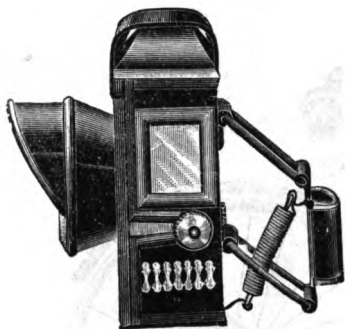
Mud Guards.—Of best sheet steel, enameled, covering both wheels.

Saddle.—Of hammock pattern, with elastic springs mounted on a drawn steel nickel plated rod and adjustable in any direction; is supplied with tool bag containing wrench and oil can.

PRICE.

20 inch wheels, with $\frac{5}{8}$ inch solid rubber tire, - - \$20.00

LANTERNS.



Pilot.



Abbott.

PILOT.

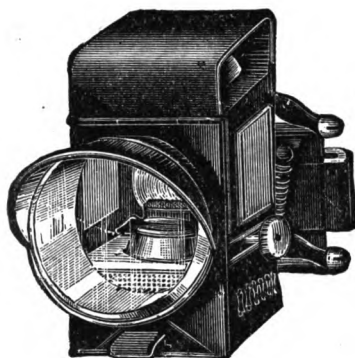
This lamp is the only spring back lamp designed for use on Juvenile Safeties. It is perfect in all its details, well and strongly made and riveted. Rubyside lights, hood over front glass and much better than other cheap lamps.

Price.....**85c.**

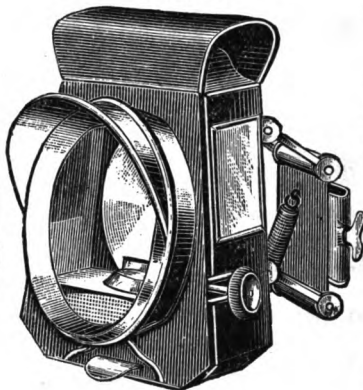
ABBOTT.

This is a new Lantern for '93. It has the King of Roads Frame, only a trifle smaller. Fitted with vibration spring back. Rubyside lights, detachable reflector, large reservoir, etc.

Price.....**\$1.25**



Manhattan.



Clipper.

EDDYSTONE.

This is the cheapest **Lens Lamp** on the market. Description otherwise same as the Pilot.

Price.....**\$1.50**

MANHATTAN.

The Manhattan is of a medium and very convenient size, large reservoir and detachable reflector. Strongly made and riveted. Is the best lamp for the price on the market. Finished in enamel, with nickel trimmings.

Price.....**\$1.75**

CLIPPER.

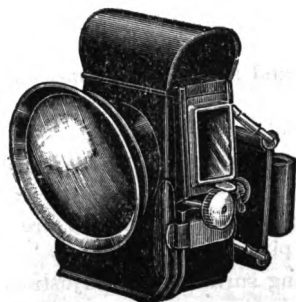
It has the King of Road Frame, only a trifle smaller. The special features are patent vibration spring back. Ruby side lights, detachable reflector, large reservoir and oval front glass.

Price.....**\$2.00**

HERALD.

This is a new Lantern for '93. Finest Lens Lamp on the market for the money. Fitted with powerful front lens, detachable reflector, Ruby side lights, etc.

Price.....**\$2.50**

Eddystone, Herald,
Jupiter, Empire.

Horoscope.

JUPITER.

This is one of the best Lens Lamps known; it has a fine $3\frac{1}{4}$ inch extra strong convex lens. Ruby Side Lights and detachable reflectors. Height, 5 $\frac{1}{2}$ inches, weight, 20 ounces, Japan finish.

Price.....**\$3.00**

EMPIRE.

This Lantern is similar in design as the Jupiter, has a strong $2\frac{3}{4}$ inch double thick convex lens, detachable reflector, Ruby side lights, opens top and bottom, extra large reservoir. Height, 5 inches, weight, 16 ounces. Japan finish.

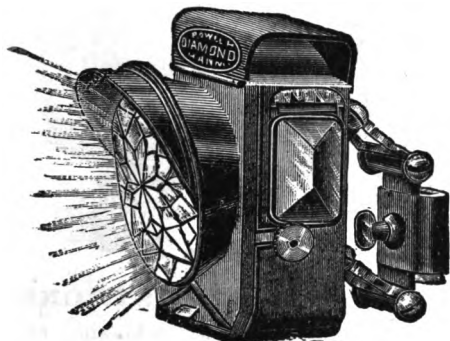
Price.....**\$3.50**

HOROSCOPE.**The New Departure of '93.**

THE HOROSCOPE is a great light giver; is neat, strong and light. First quality double convex optical lens, guaranteed not to vary in focus, and to be absolutely perfect. Cone and reflector are made of the very best burnished silver plated copper. Height, 5 inches, weight, 13 $\frac{1}{2}$ ounces.

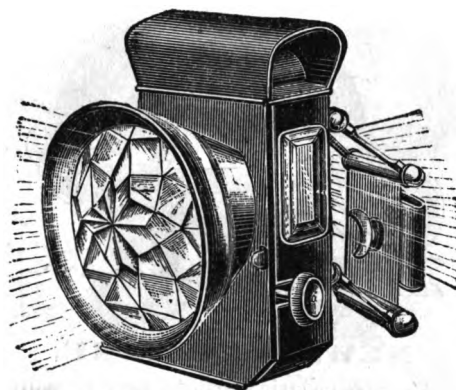
Price, Japanned.....**\$5.00**

LANTERNS.



THE DIAMOND.

THE DIAMOND is in every respect the best head lamp on the market. New and improved design for this season, constructed with oval Diamond front light, patent cut glass side light, new antivibrating back, extra large reservoir, and detachable reflector, cannot be jarred out, finely finished in enamel and nickel. Price, \$4.00.



KING OF DIAMONDS.

THE KING OF DIAMONDS is the leading Lantern of '93. The improved front glass and burner are so placed that they shed a light of great brilliancy, and too much importance cannot be attached to this improvement. It is fitted with detachable reflector, ruby side slide, nickel-plated spring back and large reservoir. The door is hinged on the side. Price, \$4.50.

HOLOPHOTE.

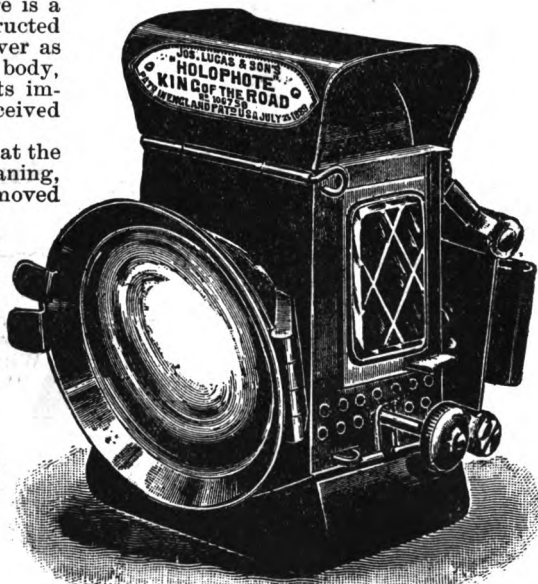
The Great Light Giver.

We are Sole Eastern Agents for the world-famed Lucas Lanterns. There is a growing demand for a well-constructed lamp with the same light-giving power as the larger ones, but with a smaller body, and we think the Holophote, in its improved form, will meet it and be received with universal favor.

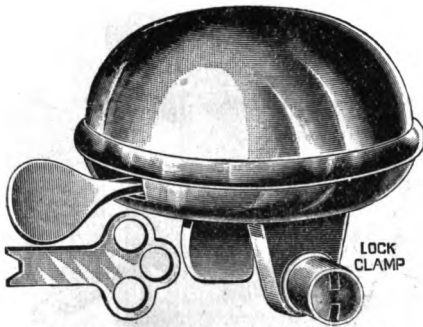
Top of Lamp is made to open so that the reflector can be drawn out for cleaning, and as the oil reservoir can be removed bodily, the interior of Lamp can be readily cleaned. The lens are convex and the reflectors are of a special shape, carefully arranged so as to concentrate the rays of light and throw them a long distance ahead of the machine. The oil reservoir forms the bottom of Lamp, and will hold a large supply of oil. Weight, 11 ounces; burns 8 hours.

PRICE.

	JAPANNED.	NICKEL.
Holophote, 00, -	\$6.30	\$ 8.50
" 0, -	7 20	9 50
" 1, -	7 90	10.25



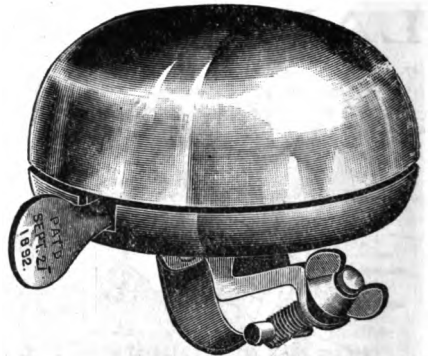
HARRISON'S DETACHABLE BAND CLIP LAMP BRACKET,
Light, Strong and Satisfactory.
Price, 75 cents.



NEW DEPARTURE.

A double electric alarm for each pressure on lever. Has clock work interior, and gives a clear, silvery note. This was, last season, the most popular bell on the market, and with the new and unique lock and key fastening, is destined to enjoy an increased popularity. Finely polished and nickel plated.

Ladies, Price, \$1.50. Gent's, Price, \$1.75.



NEW ELECTRIC STROKE (Rotary) BELL.

This Bell has been attached to machinery and run continuously for *two hours*, striking over one hundred and ninety-one thousand (191,000) distinct blows, without in the least destroying the effectiveness of its ring, and showing only slight wear of the parts. We consider this a thorough test of its durability. Full nickel plated and polished. \$1.25



STEEL BELL.

WITH ELECTRIC STROKE.

This is the only steel Bell made. Its ring being twice as loud as any other Bell.

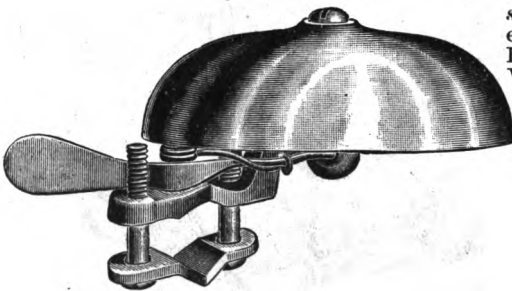
Finely polished and nickel plated....\$1.00



NEW DOUBLE or ELECTRIC STROKE BELL.

This Bell is designed to meet a positive want for a *substantial, neat and durable* MEDIUM PRICED Bell. The construction is *simplicity* itself, and in appearance it is equal to any of the HIGH PRICED bells. Finely polished and nickel plated.

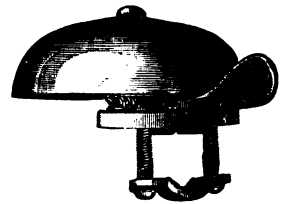
With Double Stroke.....80c. each.
" Electric "\$1.00 "



SINGLE STROKE BELL.

2½ inches in diameter.

We consider this Bell the best and most substantial Single Stroke Bell on the market. The castings and gongs are of brass. Full nickel plated.....40c. each.



DOUBLE STROKE BELL.

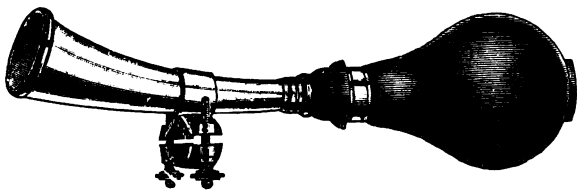
Open Base. 3 inches in diameter.

Double Stroke Bell. Simple, but very effective. Full nickel plated.....60c. each.

HORNS.

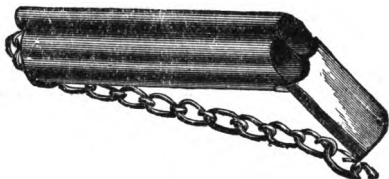
We carry a complete line of the popular Paris Bicycle Horns. A slight pressure on the bulb makes a clear, sharp noise that cannot fail to be heard, and cannot be mistaken. They do not get out of order and rattle, weigh but a few ounces and are easily attached to handle bar. Finely nickel plated.

No. 1.	Boy's size.....	Each, \$1.00
2.	Small.....	" 1.30
4.	Medium.....	" 1.68
6.	Large.....	" 2.50

**THE NEW DUPLEX WHISTLE.**

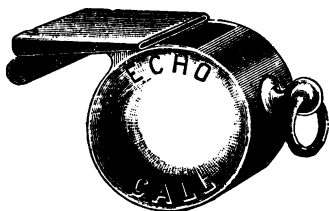
It is so constructed that it can be readily carried in the mouth while coasting, and will give a clear and loud tone. A chain with hook attached to each call.

Small.....	15c. each.
Medium.....	20c. "
Large.....	25c. "

**ECHO CALLS.**

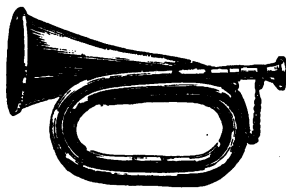
It is handsomely nickel plated and is the loudest, neatest and best Call on the market. Can be carried in the vest pocket and is the greatest Call made for Bicycle Riders, Huntsmen, Policemen and Car-drivers. Cut actual size.

Each.....	25c.
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**BUGLES.**

We handle only the Celebrated Keats model, 4-turn buglet, which is the best in use and which gives a clear tone, produced without effort.

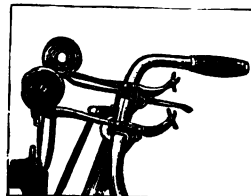
No.	1.	2.	3.	4.	5.	Brass, 1 Turn, length 11 inches,	EACH.
2.	"	2	"	"	11	"	1.50
3.	"	3	"	"	11	"	2.00
4.	"	4	"	"	8½	"	2.50
5.	Same No. 4 but Nickel Plated,						3.00

**LAMSON'S LUGGAGE CARRIER No. 1.**

This Carrier is detachable, and may be removed from the bicycle without undoing the bundle. By simply unbuckling the strap which holds it down in front, unhooking it behind the bar, and then fastening the hook again, it becomes a perfect shawl strap.

Made in two widths, 3½ and 4¾ inches between the arms. In ordering, state if for ordinary or safety.

Price.....	\$0.90
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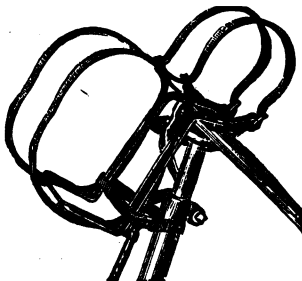


Carrier No. 1.

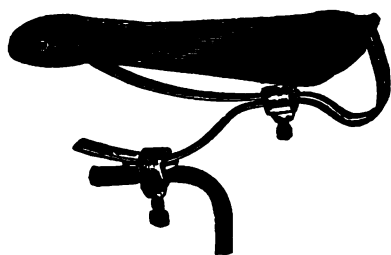
LAMSON'S LUGGAGE CARRIER No. 4.

Adapted to carrying a larger bundle than No. 1. Very light and strong, and being made of spring steel wire, its elasticity prevents holes being worn in the bundle, a fault sometimes found with rigid carriers. Can be removed from the wheel without undoing the bundle.

Price.....	\$1.15
Price, with double straps for carrying two separate bundles.....	1.35

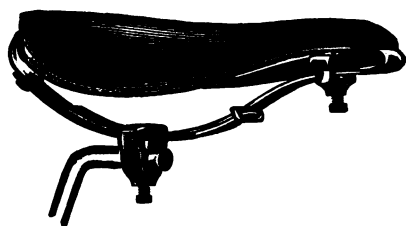


Carrier No. 4. Double.

KIFFE SADDLES.

Scorchers Weight, 28 ounces.....\$2.00

Roadster Weight, 31 ounces..... 3 00

**RICH & SAGER SADDLE,
Model '93.**

Sager's Spring Saddle, \$4.00

Short Spring, 1 lb., 10 oz.

Long Spring, 1 lb., 13 oz.

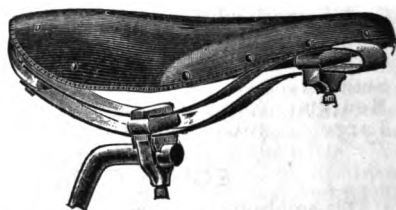


P. & M

CENTURY.

WEIGHT 14 OZ.

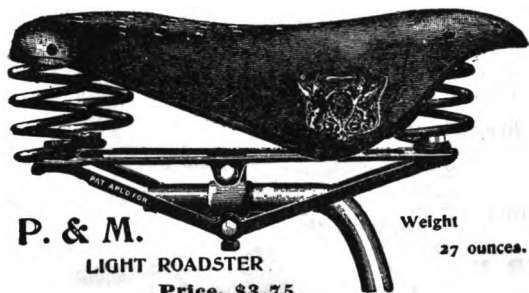
Price, \$2.75



Sager's Scorchers Saddle, \$4.00

Short Scorchers, 1 lb., 8 oz.

Long Scorchers, 1 lb., 12 oz.

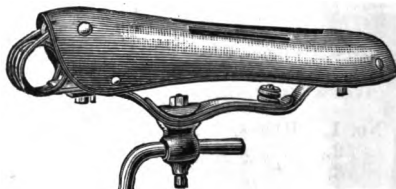


P. & M.

LIGHT ROADSTER

Price, \$3.75

Weight
27 ounces.

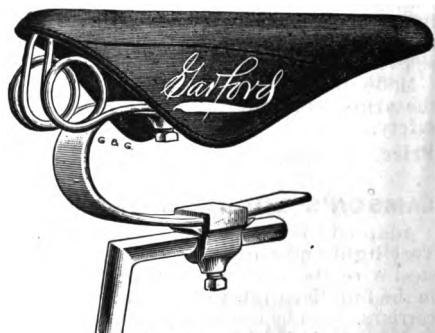
FISH SADDLE, MODEL '93.

This saddle has been a great favorite among all classes of cyclists since its introduction in the Spring of 1892. Is adjustable to high rear elevation or low depression without changing in the least the relation of the saddle to the pedals.

Price, \$4.50

**GARFORD IMPROVED SAFETY
SADDLES.**

STYLE E.



STYLE A.

We furnish Garford Saddles in styles A and E. Perfect adjustment to different weights of riders. Best of workmanship and material throughout.

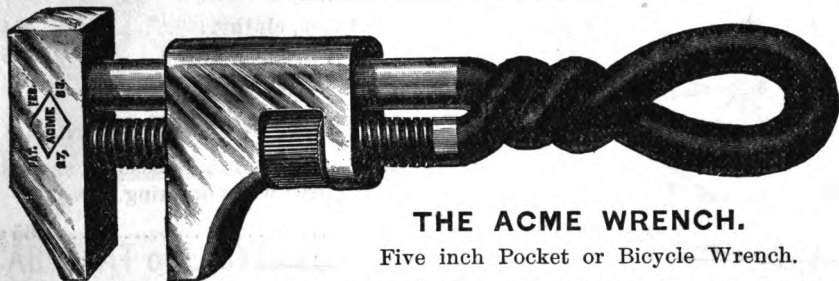
Price, \$5.00 Youth's, \$3.00

BICYCLE TOOL BAGS.

We have these goods in two styles, which we illustrate. They are made of best quality leather, russet color, nickel buckles, orange silk sewed, and are first-class in every respect.

Oval, 8 x 2½ inches, 75c.

Square, 7½ x 2¼ x 2¼ inches, \$1.00.



THE ACME WRENCH.

Five inch Pocket or Bicycle Wrench.

This wrench has been greatly improved, and can be highly recommended. It combines strength with lightness (6½ ounces), and on account of its shape can be nicely carried in the pocket. Only the best material is used in its construction, and every wrench is guaranteed.

Price, Bright Standard, 60 Cents.

Price, Nickeled, 75 Cents.

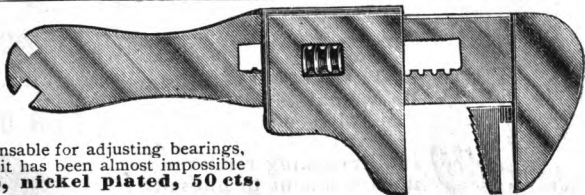
THE CELEBRATED B. & S. WRENCH.

This wrench is too well-known to need any description.

4 inch, Blued, -	\$0.70	5 inch, Blued, -	\$0.90
4 " Nickel Plated, .90		5 " Nickel Plated, 1.15	

Adjustable Cone Wrench.

This wrench is something that has been badly needed; it is made from plate steel, very strong and about half as thick as the usual pocket wrench. After a season's use in our machine shop, and supplying the trade generally, we can fully endorse it as being almost indispensable for adjusting bearings, particularly where the space is small and it has been almost impossible to reach with the usual wrench. Price, nickel plated, 50 cts.



H. H. K. CO.'S STEEL WRENCHES.

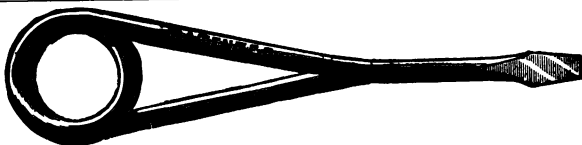
Nickel Plated, 25 Cents each.

Galvanized. 10 Cents each.

BEAUTY SCREWDRIVER.

Length over all, 4½ inches.
Warranted.

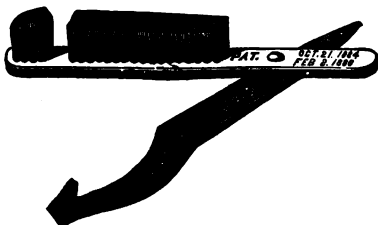
Price, - - 10 Cents.



CYCLE BRUSH TOOL.

This is an article which should be used to be appreciated. This tool combines a brush of special pattern, a screwdriver, a spanner for adjusting bearings, and a sharp point for picking out dirt that may have become incrustated in the parts. Try it, and you will be glad you found it.

Price, - - - 50 Cents.



THE "STAYTHERE" NIPPLE GRIP.

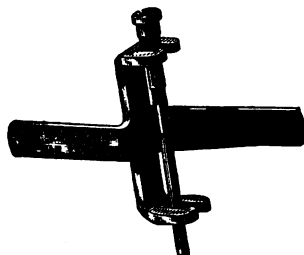
A standard article of necessity.

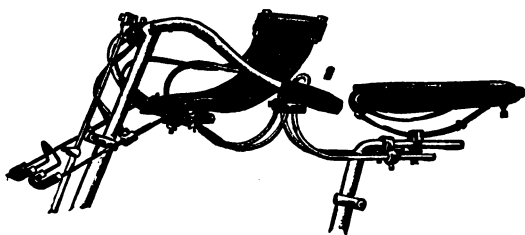
A great labor saver and useful tool.

Manufactured by us under license from Patentees.

Seven-eighths of the wheels ridden have tangent spokes. The "STAYTHERE" grips nipples at either side, and does the work quickly and well.

Price, - - - 25 Cents.

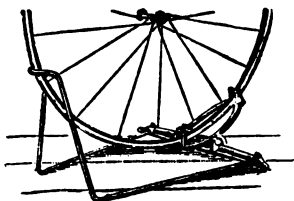




BEAUTY CHILD'S SEAT.

Offers a very secure and comfortable means of giving the little one an outing. Is adjustable in every direction, and can be used as a bundle carrier if desired.

Price, cloth..... \$4.50
 " mackintosh..... 5.00

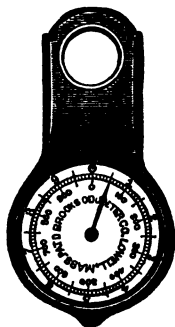


BUFFALO SAFETY BICYCLE STAND.

Best stand on market. Made for both cushion and pneumatic. State which required when ordering.

Price..... 65 cts.

BROOK'S IDEAL CYCLOMETER.



This instrument is designed to meet the demand for a strictly first-class Cyclometer at a moderate cost. Being entirely without weights or springs, and its few parts being always in gear, it is less likely to get out of order. Its weight is 11 ounces. The collar enclosing the hub of the bicycle has a rubberpacking, rendering its attachment to hubs of different sizes very easy.

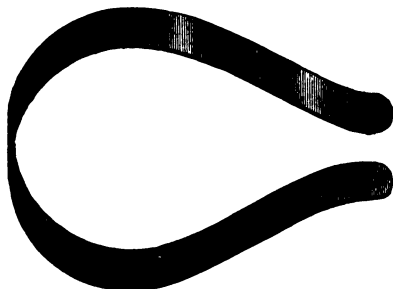
Price.....\$5.00

PNEUMATIC TIRE INFLATORS.



No. 1. Same style as furnished with wheels, each \$0.90
 2. Codman's Telescope, model '93..... " 2.00
 5. " Floor Pump..... " 4.00
 Nipples..... " .15

"OUR OWN" TROUSER GUARD.



These Guards are exceeding handy; the foregoing cut shows the proper attachment, and at a glance it will be seen that the trousers are held free from contact with any part of the machine, and at the same time retained in their correct shape. They are highly finished with three coats of Enamel, which prevents them rusting and soiling the clothes.

Price.....per pair, 10 cts.

OSTERGREN'S TROUSER GUARD.

Price, Blued.....per pair, 15 cts.

RANKIN'S PATENT TOE CLIPS.

Made of best steel wire, all nicked. Indispensable to safety riders.

Price.....per pair, 50 cts.

THE PERFECT TROUSER GUARD.



This is an improvement in Trouser Guards, calculated to meet with the popular approval of all Wheelmen, and others requiring such an article.

It is constructed of spring brass, having an improved catch (patent applied for), cannot drop off or get lost in use, and will not rust or soil the most delicate fabric.

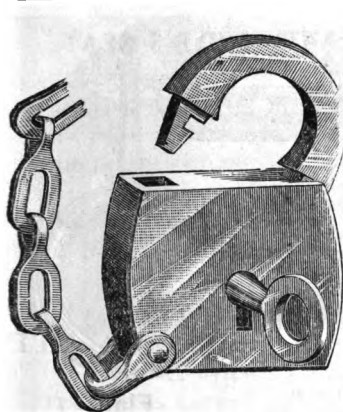
Handsomely finished in black, price
 per pair..... 15 cts.



PRICE LIST OF HARDENED TOOL STEEL BALLS.

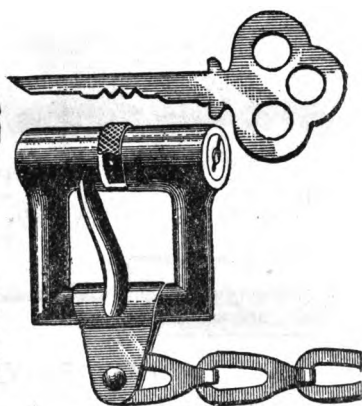
These balls are made from the best quality of tool steel, and are hardened by the Sawyer process, warranted oil tempered, guaranteed to be free from flaws or defects, accurate to size, and practically perfect spheres.

Size, Diameter.....	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{4}$	$\frac{1}{2}$
Price.....each,	2 c.	2½ c.	3 c.	4 c.	8 c.	12 c.

**Patent Perfection.**

Twelve inch chain, eight levers with each lock, with two double bitted keys, turning either way, so that they cannot get out of order or be picked. Handsomely nickel plated.

Price, \$1.00 Each.

**CAR SEAT or BICYCLE LOCK.**

Can recommend it to be satisfactory in every respect.

Price.....30 Cents

YALE LOCK.

The Yale Locks are two well known to need description here. This lock is made of bronze, and is practically indestructible. It is non-pickable.

Bronze.....\$1.00

Nickel Plated..... 1 25

THE LYNCH LOCK.

One of the lightest, strongest and most convenient locks made. It will be observed from the cut this lock is a regular buckle.

It can be used by all people: wheelmen, traveling men, or anybody that has anything worth stealing that can be secured by lock and chain. The perfection is a Yale spring lock, handsomely nickeled, adjustable chain. Two keys.

Price.....\$1.00

THE PHOENIX LOCK.

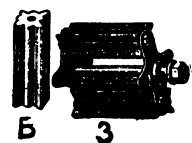
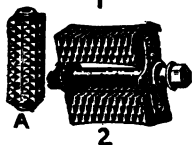
Price, Black.....25 Cents

PEDALS.

High grade, steel forgings, ball bearings, case hardened ends.



	Per pair.
No. 1.....	\$4.50
2.....	5.00
3.....	3.50

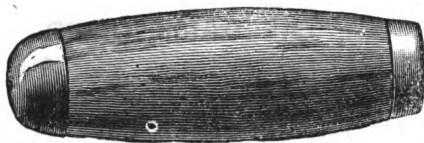
**PEDAL RUBBERS.**

	Each.
Style A50 cents
B.....	.20 "

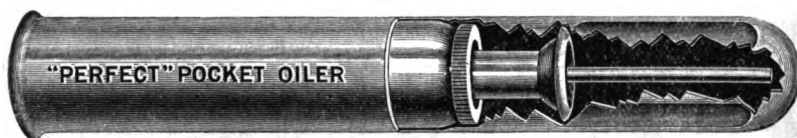
KEYSTONE LOCK.

WITH TWO KEYS.

Bronze	each, 35 cents
Nickel Plated.....	" 60 "

**HANDLES.**

	Price per pair.
Felt Handles.....	\$1.25
Soft Rubber Handles.....	1.00
Hard " "	1.00
Cork Handles, Double Ferrules, (see cut).....	.75



"PERFECT" POCKET OILER.

Is absolutely unrivalled for neatness, convenience and durability. Above cut actual size. **Price, 25 cents each.**



ROY BICYCLE OILER.

Handsomely nickel plated. For Bicycles, Typewriters, Sewing Machines, etc. It will not leak, therefore no tool bag soaked with oil, no soiled clothes or hands, always ready for use. The neatest, cleanest, oiler ever placed on the market. The pressure on the steel pin releases whatever quantity of oil is required. This pin is intended to remove the dirt from all holes that require oiling, an important feature. Cut, $\frac{3}{4}$ actual size. **Price, 25 Cents, Postage paid.**

**Flat
Pocket Oiler.
Nickel Plated, 10c.**



BICYCLE OIL.

After a year's experiment, aided by one of the largest oil dealers of New York, we placed this oil upon the market with such excellent result, that we can recommend it as being fully equal, if not superior, to any other cycle oil to be found in the country. It is put up in patent Spouted Cans with a reversible top for refilling oiler for tool-bag, it being the most convenient arrangement for the purpose.

4 Ounce Bottles.....	10 Cents.
½ Pint Cans.....	25 "
1 Pint Cans.....	35 "



LANTERN OIL.

Best Quality, 1/2 Pint Cans.....	25 Cents.
" " 1 " "	35 "

CYCLE CHAIN GRAPHITE.

**A Perfect Lubricant for Tricycle
and Safety Chains.**

The question of lubricating the driving chains of Safeties and Tricycles has always been a vexed one. In the Prepared Cycle Chain Graphite, we present an article which will fill all requirements of a perfect lubricant, without any gumming or collecting of dust to wear out the chain. It will make your machine run easier and last longer. **Price, per can, 25 Cts.**



THE DAISY OILER.

THE DAISY OILER.

Made entirely of brass, handsomely polished and nickeled.
Leaking is impossible. **Price, 20 Cents.**

BICYLINE.

Keeps Chain Lubricated. Reduces Friction. Makes Riding Easier. Increases Speed. Price, 20 Cents.





SOMETHING NEW.

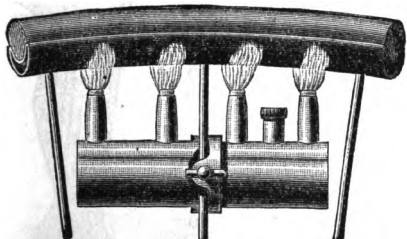
The "Perfection" Repair Kit.

FOR ALL PNEUMATIC TIRES.

IT INSURES SAFETY AND COMFORT.

Every cyclist needs one. It is economical; it is simple and indispensable. Each kit contains a liberal supply of pure liquid Rubber Cement, strong adhesive Tire Tape, finest quality Patching Rubber, twelve feet of pure linen Cord, a perfection Tire Needle and a clipping of Emery Paper, all securely packed in a compact and beautifully lithographed metallic case. The whole outfit is a gem, and can be carried in any pocket or an ordinary tool bag. **Price, 40 Cents**

PERFECTION TIRE HEATER.



This useful article will be found indispensable and a necessary adjunct to every wheelman's outfit. It is designed to carry in the tool bag. The fluid used is alcohol. In case of a loose tire the heater can be quickly affixed to the spoke directly under the tire and in a few seconds will melt the old cement remaining in the felloe, thereby re-cementing the tire. **Price, \$1.00.**

ADHESIVE TIRE TAPE.

Thin as paper, strong as leather.

This is the lightest and we believe the best tire binder ever introduced. It is used to fasten a loosened tire, which by its aid can be done quickly and without heat. It is wrapped around the tire and felloe, and is so thin that it will not bind the brake. It is one of the essential accessories and should be found in every wheelman's tool bag.

Price, per package, 15 Cents.

Harris' Brunswick Enamel.

Best in the market, quick drying. Does not contain either rubber or asphaltum and will not crack or peel off.

PRICE.

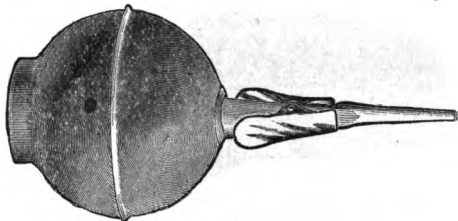
Half pint can, - 30 Cents.
Small Can, - 15 Cents.

Colored Cycle Enamel.

No varnishing. No rubbing. For re-enameling bicycles, tricycles, etc. It is tough and durable, and will not crack or peel off. It dries rapidly with a rich gloss. Furnished in any color.

Price per 1/4 pint can, 35 Cents.

THE KI-YI,



Or DOG EXTERMINATOR.

A few drops of diluted Aqua Ammonia from the nozzle of our Ki-Yi will teach the bicycle chasing dog a lesson he will not likely soon forget. It works like magic. As a rider puts it, "You could hear him howl ten squares." What tourist has not wished for one of these? The most successful thing of the kind ever invented. By mail, packed in neat box, with full instructions.

Price each, 40 Cents.

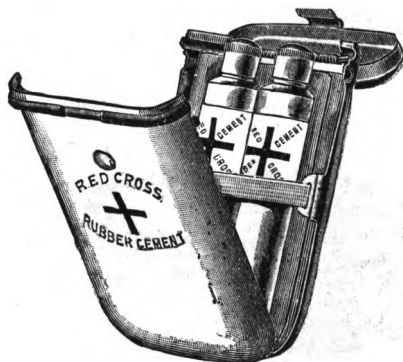
REPAIR OUTFIT.

For Inner Tube Tires.

One bottle Elastic Cement.
One Strip Pure Gum Patching.
One Strip Cloth Insertion Patching.

Price, - - - 25 Cents.

RED CROSS REPAIR OUTFIT.



Handsomely nickel plated, neat and attractive. Can be carried in pocket or tool bag. Each case contains a double tube of Red Cross Cement, a roll of our Pure Gum Patching, a sheet of Emery and a sheet of Friction Cloth. No rider of a Pneumatic Tired wheel should be without one. **Price each, 65 Cents.**



Solution. Price per tube, 25 Cts.

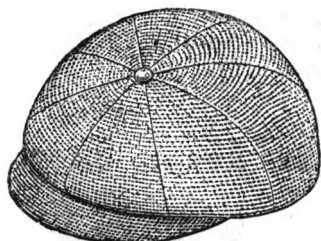
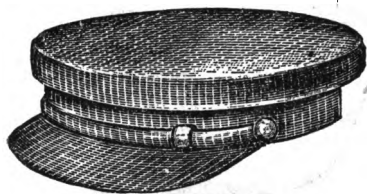
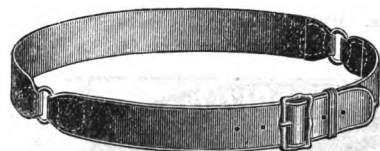
ANTI-STIFF.

Per box, small size, - - 25 Cents.

BICYCLE CAPS.

**Regulation.**

Navy Cloth or Corduroy, silk lined.....\$1.25

**Racing, Long Visor.**Best Flannel.....\$1.25
Regular Flannel......75**Eton.**Extra Fine\$1.00
First quality......50
Ordinary......25**Yacht Shape.**Navy Cloth, silk lined.....\$1.50
Navy Flannel, silk lined.....1.25
......50**Leather Ring Belts.**No. 1. 2 inch, Fine Quality Leather Ring Belt, in both russet and black, leather covered buckles and rings.....Price, 75c.
No. 2. 1½ inch Belt, russet, leather-covered buckles and rings.....Price, 65c.
No. 3. 1½ inch Belt, russet, nickel buckle and rings.....Price, 50c.

BICYCLE SHOES.

**Adopted L. A. W. High Shoe.**High Cut, Kangaroo, Hand made.....\$4.25
Calf..... 3.50**Adopted L. A. W. Low Shoe.**Low Cut, Kangaroo, Hand made\$3.75
Calf..... 3.00

BICYCLE STOCKINGS.

- No. 1. Best Quality Worsted, extra heavy, full fashioned, ribbed, black, navy blue and garnet, any color to order, Price per pair\$1.50
- No. 2. Fine Quality Worsted, ribbed, black and navy blue, any color to order, Price per pair..... 1.25
- No. 3. Good Quality Worsted, black and navy blue, any color to order, Price per pair, 1.00
- No. 4. Best Quality Wool, Price per pair..... .50

Shoulder and Waist
Stocking
Supporters.

An article that meets the popular demand of wheelmen, lawn-tennis players, and the public generally. These supporters do away entirely with elastic bands, which bind upon the limbs and stop the circulation of the blood, causing numbness or swollen veins.

The most complete and comfortable hose supporter devised; they are adjustable to any length.

Shoulder Supporter, 40c. ea.

Belt Supporter. - 2 c. ea.

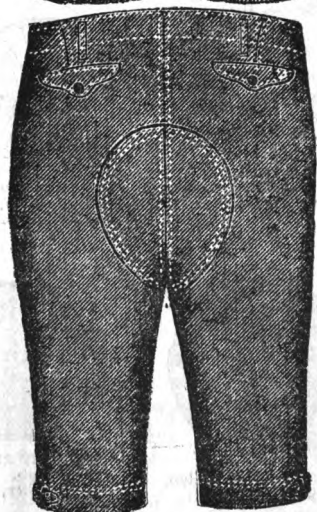
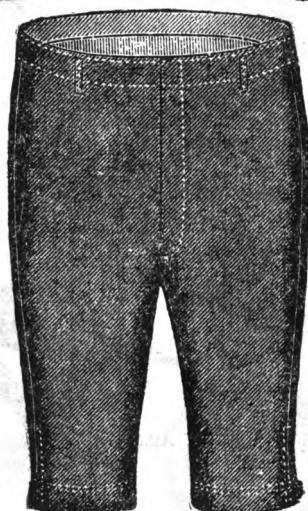
Send size of waist.



BICYCLE SUITS.

Our Bicycle Suits are all finely made and are Regulation Cut, Coat with one piece turn down collar to button close up (see Cut); Pants with re-enforced or Double Seats (See Cut). All seams covered, and Stitched up and down with silk; they permit ease of motion and comfort, as well as give wearer a natty appearance.

- | | |
|---|---------------|
| No. 1. Cheviot, not Braided,
Navy Blue only, Coat, \$2.75 | Pants, \$2.25 |
| 2. Cheviot, Silk Braided,
Navy and Black...Coat, 3.50 | " 2.50 |
| 3. Iron Clad, Silk Braided,
Navy and Black, and L.
A. W. Grey.....Coat, 4.50 | " 3.50 |
| 4. Melton, Silk Braided, Navy
and Black.....Coat, 5.50 | " 4.50 |
| 5. Middlesex, Silk Braided,
Navy and Black, and L.
A. W. GreyCoat, 6.50 | " 5.50 |
| 6. CorduroyCoat, 4.15 | " 3.00 |



SWEATERS.

- | | |
|--|--------|
| No. 0. All Wool, White, Black or Navy, Each, | \$1.50 |
| 1. Same as No. 0, but Heavier and better
quality Wool.....Each, | 2.50 |
| 2. Same as No. 1, but extra Heavy, " | 3.50 |
| 3. Extra Heavy and Extra Fine All Wool,
Seamless.....Each, | 4.50 |
| 4. Very Heavy Camels' Hair, Seam-
less.....Each, | 5.00 |

ATHLETIC CLUB EMBLEMS.

We carry in stock all the Emblems of the prominent Athletic Clubs and make to order on short notice any special designs that may be required.

Large size for shirts.	Each,	.	.	.	\$o 50
Medium size for shirts.	"	.	.	.	35
Small " " caps,	"	.	.	.	25



Acorn Athletic Club.



Young Men's Christian Association.



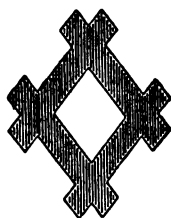
Fencers' Club.
New York City.



Amateur Athletic Union
of the United States.



Staten Island Athletic Club,
Staten Island, N. Y.



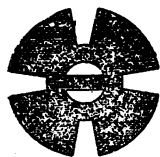
Manhattan Athletic
Club,
New York City.



Chicago Cycling Club,
Chicago, Ill.



Olympic Amateur Ath-
letic Club,
St. Louis, Mo.



Pastime Athletic
Club,
New York City.



Athletic Club of the Schuylkill Navy,
Philadelphia, Pa.



American Athletic Club.



Berkley Athletic Club,
N. Y. City.



7th Regt. Ath. Association,
N.G.S.N.Y New York City.



League of American
Wheelmen,
United States.



Columbia Athletic Club,
Washington, D. C.



22nd Regt. Athletic Association,
New York City.



New Jersey Athletic Club,
Bergen Point, N. J.



Jersey City Athletic
Club,
Jersey City, N. J.



Crescent Athletic Club,
Brooklyn, N. Y.



New York Athletic Club,
New York City.

CYCLIST'S EMBLEMS.

L. A. W. OFFICIAL DESIGNS.



145. Solid Gold Pin,
L. A. W. \$3.75.
Tire of white enamel.
502. Gold Plated, \$1.50



503. Gold Plated, \$1.50.
Universal Design.



174. Solid Gold, \$3.75.
504. Gold Plated, \$2.00.
Pearl Tire.
508. Watch Charm, \$2.00.



F 145. Solid Gold L. A. W.
Badge, \$5.00.
Tire of White enamel.
Open work. Our latest.



E 144. Solid Gold, \$5.00.
E 144½. 2d quality, \$3.50.



B 140. Solid Gold, \$2.00.
B 140. Gold Plated, \$1.00.



171. Solid Gold, \$3.75.
White Enamel.
Tire, Gold Lettering.



B 147. Solid Gold, \$3.50.
B 147½. 2d quality, \$2.75.
147. Without Bar, \$1.75.



199. Solid Gold and
Enamel, \$1.75.



160. Gold Filled Cuff Buttons,
per pair, \$2.50.
Lever Backs, Ball Bearing Rim.
Enameled in two colors.
No. 165. Lapel Button,
Gold Plated, \$1.25.
Enameled in two colors.



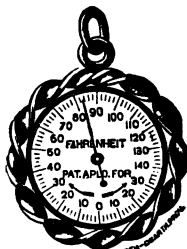
144. Solid Gold, \$3.50.
144½. 2d quality, \$2.00.



O 155. Lapel Button.
Solid Gold, \$1.50.
O 155. Gold Plated, 75c.



510. Ladies Chain,
Solid Gold, \$25.00.
Gold Plated, \$5.00.
Also Gents' Size.



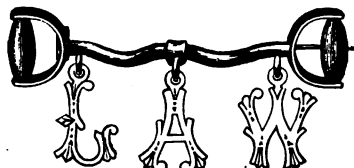
161. Watch Charm, \$2.50.
With Accurate Thermometer
or Compass.
L. A. W. design on back.



170. Solid Gold, \$3.50.
Enamel Tire.



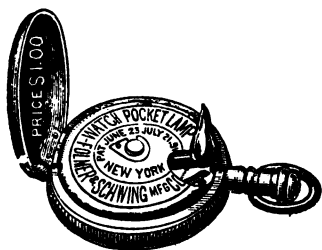
198. Gold and
Enamel, \$1.75.



Ladies Bar Pin,
Gold Plated, \$1.50.

Columbia

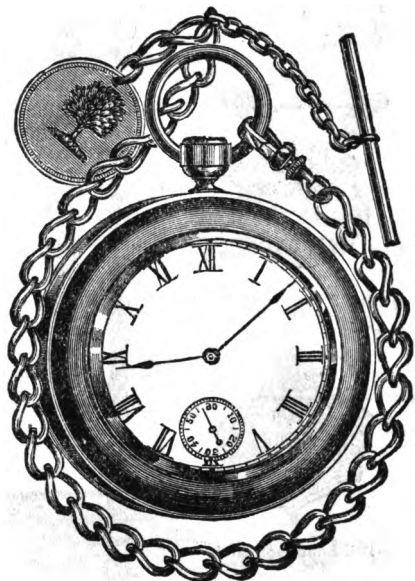
Heavy Gold or Silver Plate Wire Name Pins.
Any Name, 50 cents.



WATCH POCKET LAMP.

The Latest self-lighting Pocket Lamp. Imitation of a Hunting Case Watch in size and appearance; is operated practically the same as you open a Hunting Case Watch to see the time, when, instead, you have a small lamp burning.

Lamp and box of 1000 lights in box, - - - 75c.
Extra box of 1000 lights, - - - 10c.



PRICE \$1.50 EACH.

Complete with Chain and Charm.

EVERYBODY'S WATCH.

A good Watch for every workman in the world.

A GOOD TIMEPIECE.

Fully guaranteed. It will not vary a minute in 30 days.

A DURABLE WATCH.

Works of the greatest simplicity. Will run ten years.

AN AMERICAN WATCH.

Made in this country; can be repaired by any jeweler.

A CHEAP WATCH.

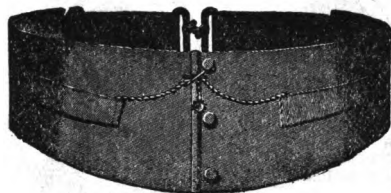
Who will not be glad to exchange \$1.50 for a good Watch?

DESCRIPTION.

The Case is strongly made and carefully fitted to exclude dust. It is open face with heavy polished bevel crystal. The movement is covered with a practically dust proof cap giving double protection. Movement is detachable from case by removing four nuts. Case is heavily plated and handsomely finished in gilt closely resembling gold. Weight of Watch complete $4\frac{1}{2}$ oz. Cut is exact representation three-fourths size.

The Movement combines many patented devices which make the construction the simplest and fully as durable as any watch movement known. Four or five turns of winding attachment winds for 24 to 36 hours. Hour, minute and second hands.

By mail, Watch and Chain, complete, \$1.50.



THE STAR SASH VEST.

The Star Sash Vest is an improved and exceedingly handsome Summer Vest, with all the latest mechanical improvements and devices applicable to sashes, and combining in addition all the advantages and features that an actual vest would yield. The Star Sash fastens with a common-sense buckle and contains vest pockets and loop for chain, and to help out the idea, is neatly fashioned in front with pleat and buttons to simulate the appearance of a real vest. It makes an easy-wearing, neat-fitting garment that can be worn with equal facility, and that will show to equal advantage, as a part of men's Negligee, Street, Tennis and Full Dress Costumes. Made of the following materials:

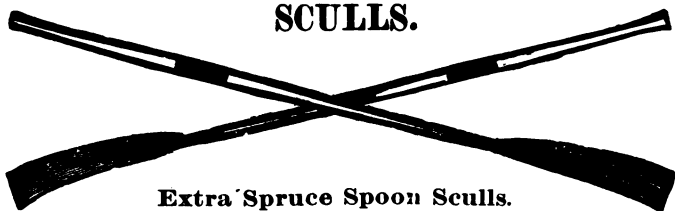
Black and Navy Cashmere, 75c. Black & Navy Diagonal Cloth, \$1.50
Black and Navy Ribbed Silk, \$1.75.



THE LAMB EYE SHIELD.

The LAMB "EYE SHIELD" fits closely to the face, around the eyes, a soft, perforated felt rim on the face side rendering it impossible for dust or any other substance to enter between it and the skin. Small perforations in the felt rim admit sufficient air for the eyes to retain their normal moisture. The lenses are formed of the clearest mica and are perfectly transparent. There is consequently less liability of injury to the eyes, in case of accident, than with other similar devices in which glass lenses are used; while it fully protects the eyes, gives them the widest scope of vision. It can be used by persons wearing eye glasses or spectacles, as well as the naked eye, and is the only protector possessing this advantage. Each shield neatly packed in case to be carried in the pocket. Price, with plain frame, 50c. each; nickel-plated frame, 75c. each.

SCULLS.



Extra Spruce Spoon Sculls.

These are made from selected white spruce, coppered, leathered and varnished, with a spar composition. They are hand made from well seasoned wood.

Prices, per pair: 6, 6½ and 7 ft., \$4.00; 7½ and 8, ft., \$4.50; 8½ and 9 ft., \$5.00; 9½ and 10 ft., \$5.50.

Extra Spruce Straight Sculls.

These are made of same material as above. They are copper tipped, leathered and finished with spar composition.

Prices, per pair: 6, 6½ and 7 ft., \$3.00; 7½, 8, 8½ and 9 ft., \$3.50.

Plain Spruce Sculls.

These are made from selected White Spruce.

Prices, per pair: 6 ft., \$1.30; 7 ft., \$1.50; 8 ft., \$1.75; 9 ft., \$2.00; 10 ft., \$2.25.

Extra Quality Ash Sculls, Copper Tipped.

Prices, per pair: 6 ft., \$1.30; 7 ft., \$1.50; 8 ft., \$1.75; 9 ft., \$2.00; 10 ft., \$2.25.

Plain Ash Sculls.

Prices, per pair: 6 ft., 90c.; 7 ft., \$1.00; 8 ft., \$1.20; 9 ft., \$1.35; 10 ft., \$1.50.

CANOE PADDLES.



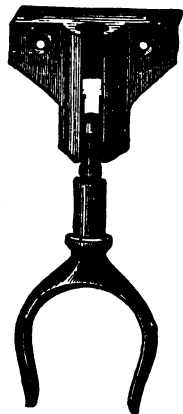
Double Bladed Canoe Paddle, Straight or Spoon Blades. Made of either Spruce or Pine, in any style or length desired. Nickel plated mountings..... each. \$6 00



In Position.

Davis' Patent Row Locks.

Size	Size between Horns.	Galvanized Iron.	Plain Brass not Polished.	Polished Brass.
No. 1,	1¾ in.	\$0 85	\$1 75	\$2 50 per pair
" 2,	2 "	1 00	2 00	2 75 "
" 3,	2¼ "	1 10	2 25	3 00 "
" 4,	2½ "	1 25	2 50	3 50 "



Out of Position.

SOCKET ROW LOCKS.

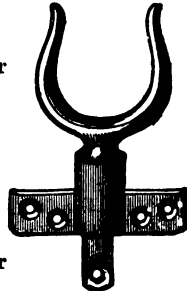


Socket Row Lock.

Size	Size between Horns.	Galvanized Iron.	Plain Brass not Polished.	Polished Brass.
No. 0,	1½ in.	15c.	\$0 80	\$1 40 per pair
" 1,	2 "	15c.	1 00	1 50 "
" 2,	2¼ "	25c.		2 25 "
" 3,	2½ "	50c.		3 25 "
" 4,	3 "	65c.		4 25 "

SIDE PLATE ROW LOCKS.

Size.	Size between Horns.	Galvanized Iron.	Polished Brass.
No. 7,	1¾ in.	55c.	\$2 25 per pair
" 8,	2 "	75c.	2 50 "



Side Plate Row Lock.

GLOVER'S IMPERIAL DOG MEDICINES.



Distemper Cure.....	\$1 00
Mange Cure.....	50
Blood Purifier.....	50
Canker Wash.....	50
Diarrhoea Cure.....	50
Tonic.....	50
Vermifuge.....	50
Eye Lotion.....	50
Cure for Fits.....	50
Liniment.....	50
Dog Soap, per cake.....	25
" Cake (in 5 lb. packages), per lb.....	8

REFERENCES.

Westminster Kennel Club; Philadelphia Kennel Club; New England Kennel Club; New Haven Kennel Club; C L. Dana, M. D.; Edward Loring, M. D.; Robert Taylor, M. D.; Samuel Sexton, M. D.; W. A. Conklin, V. S.; Edward Loomes, V. S.

Breaks all Records!

"SUNOL"

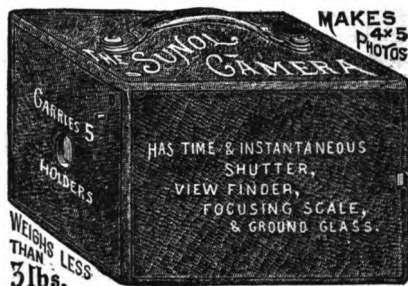
DETECTIVE CAMERA.

No. 1.

Handsomely Polished

Walnut Finish,

\$5.00



No. 2.

Covered in Black

Seal Grain Leather,

\$7.50

This is a perfect working Hand Camera; having all the advantages and improvements of the higher priced Cameras. It makes a 4x5 Photograph and is the lightest and most compact Camera made; weighing less than three pounds.

A photograph can be made without opening the case, as the Camera can be focussed. Shutter both set and released from the outside. If wanted for time exposure it can be placed on a tripod or stand and an exposure of any length of time can be made by simply working the shutter.

It has a fine *Single Lens*, *View Finder*, and "Barnett" Holder. The "*Sunol*" is provided with one holder at the list price, but will hold five.

No. 1.	Handsomely Polished Walnut Finish, with 1 Holder...	\$5.00
" 2.	Covered with Black Seal Grain Leather.....	7.50
	Extra Holders.....	.75 each.


Developing and Printing Outfit for "SUNOL" consisting as follows:

1 doz. 4x5 Dry Plates, 1 Developing Tray, 1 Fixing Tray, 1 Ruby Lamp, 1 pkge. Developer, 1 lb. Hypo. Soda, 1 4x5 Printing Frame, 2 doz. Sheets Blue Process Paper.

PRICE, \$3.00.

Amateur Photograph Outfits,

\$1.50, \$3.50 and \$5.00 each.

 **THE BEST VALUE FOR THE MONEY YET OFFERED.**

Each Camera has packed with it, and included in the price, the necessary Dry Plates, Sensitized Paper, Developing and Toning Solutions, also directions for Dark Room, Ruby Lamp, how to fill Plate Holder, to take a picture, to develop the plates, the fixing bath, and how to print, tone, and finish a picture, so that a beginner has all that is necessary to teach him the principle of Photography quite as well as a \$10 or \$15 outfit would.

The Lenses in our Cameras are made from our own calculations as to curves, angle and length, and are quite rapid.

The Plate Holders are superior in every way, being thin and light, a dozen of them may be carried in the coat pocket without inconvenience.

The Ground Glass is well framed and slides to its place nicely.

The Focusing Parts move easily, and each instrument is *substantial, neat, compact, and the perfection of economy and merit.*

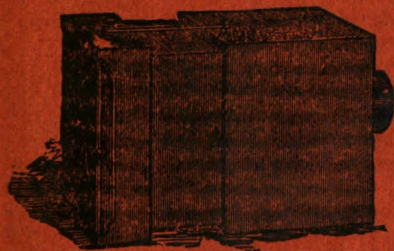


THE MINIATURE CAMERA.

THE CHEAPEST OUTFIT EVER SOLD.

The "Miniature" takes a cunning little picture, the plate being $3\frac{1}{4} \times 2\frac{1}{8}$ inches. There is a charm even in the size, and it is difficult to believe anything so pretty can be produced with such an inexpensive outfit.

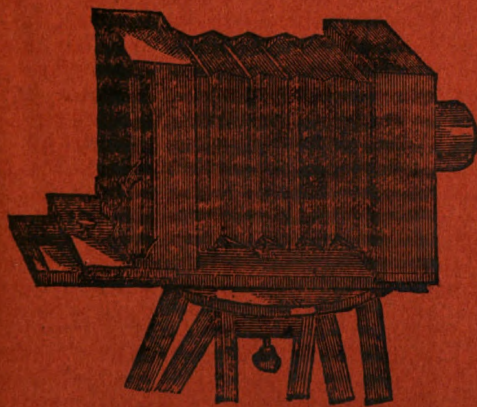
Price of Miniature Camera and Outfit, \$1.50.



THE NASSAU CAMERA.

This Camera is 8 inches long by $5\frac{1}{4}$ square, covered with imitation pebble leather. The focussing is done by means of the telescope construction of the box, with guide and set screw, size of Dry Plates, $3\frac{1}{4} \times 4\frac{1}{4}$.

Price of Nassau Camera and Outfit including two Trays, \$3.50.



THE BROOKLYN CAMERA.

10 inches long, $5\frac{1}{4}$ square, Bellow movement and folding Tripod stand, size of plate, $3\frac{1}{4} \times 4\frac{1}{4}$. This outfit may be carried by hand all day without fatigue, with some extra plate holders filled before starting a days travel could be made quite profitable and certainly very interesting. Trays and printing frame are included in this outfit.

Price of Brooklyn Camera and Outfit, \$5.00.

THE STAR SAFETY RAZOR.

Patented June 15th, 1890; May 4th, 1896; June 22d, 1896; June 22d, 1896, and further Patents applied for.

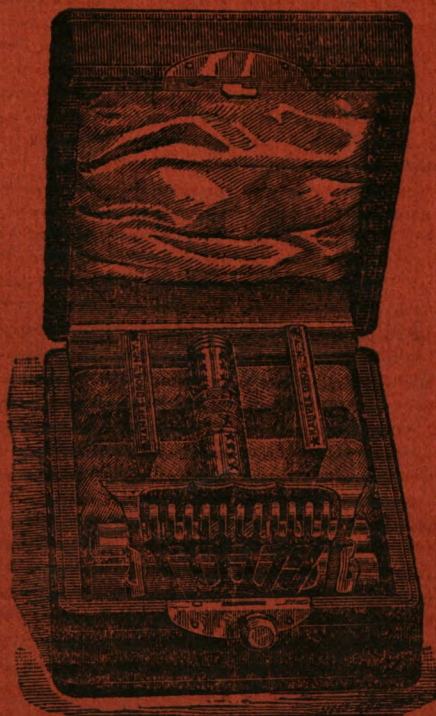
A great invention which renders shaving an easy and convenient luxury, and obviates all danger of cutting the face. Warranted to shave clean. Time and money saved. Delays in barber shops avoided. It is specially adapted to the aged and the young; and is

indispensable to travelers by land and by sea; to miners and persons camping out; to the indolent and the luxurious; to the man who wants a quick shave, and him whose skin is too tender to admit of the application of the ordinary razor. Once used, you will never be without it. It requires no practice. Price, \$2 00 each.



The Star Safety Razor Swing Strop.

They are specially prepared, highly polished, made of the best Arbroath Linen Duck, are much finer and even better than Russia Leather, and being more flexible, touch each part of the edge equally, giving it a keen, smooth and lasting finish. Price, 50c. each.



THE GEM CASE.

Contains one safety frame with two blades, elegantly gotten up in morocco, and is a gem in the full sense of the word. Price, \$3 50



THE JEWEL CASE.

Complete, is same as cut. The smallest, neatest, most complete, elegant and useful Case in the world. Put up in elegant satin-lined morocco case and contains one safety frame and one blade. Price, \$2 50.

THE TRAVELING CASE.

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